Motorway Engineering Co.

85 Hancock St.
Manchester, NH. 03101
603-668-6315 Fax 603-626-3882

Parts List

Vulcan Engineering Company
Manchester • New Hampshire

Vulcan ENGINEERING COMPANY
MANCHESTER • NEW HAMPSHIRE

Compression Release

10mm x 1.0 Pitch

Push in blue cap, start motor,once motor starts compression release automatically pops off.

#3642	2-7/16" O.A.L
#3785	1-13/16" O.A.L.
#3691	1-7/16" O.A.L.

3642 & 3785 has delayed pop-off rate for large displacement motors.

Compression Release

Use With dual plug heads, takes the place of the right side spark plugs. Stainless steel.

#3137	14mm Long Reach
#3398	14mm Short Reach
#3399	Peanut Plug, 12mm

PCV Valve Kit

Drill & tap rocker boxes 1/8 ips & block-off crankcase lower vent fitting. Stops oil blow-by. Perfect for large displacement motors.

#3790	PCV Valve Kit

Vulcan ENGINEERING COMPANY
MANCHESTER • NEW HAMPSHIRE

Billet Aluminum Pan Cover Set

Mat'l. 6061

Machined from a 8"x6"x4" thick piece of billet aluminum

Ideal for high lift cam motors, that need extra clearance between valve springs & pan covers

Reduces top end noise, eliminates valve cover oil leaks and dissipates heat faster than stock covers.

#3139 1948-65 B/T, Satin Finish
#3239C 1948-65 B/T, Chrome

Billet Aluminum Cam Cover

Mat'l. 7075 T6

Direct *OEM* replacement or can be used on any p cases.

Includes bushings, baffle plate & breather tube.

#3121 1948-1969, Satin Finish

#3121C 1948-1969 B/T, Show Chromed

Oil Filter Adapter

Replaces generator on 1936-1969 B/T Motor cases

#3104 Satin Finish

#3104C Chrome Finish

Vulcan ENGINEERING COMPANY
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EVO

Billet Aluminum Rocker Box Set

3 Piece Rocker Box Set
Complete with all hardware
And o-rings.

These rocker boxes are machined with extra clearance for roller rocker arms, high lift cams & high lift valve springs.

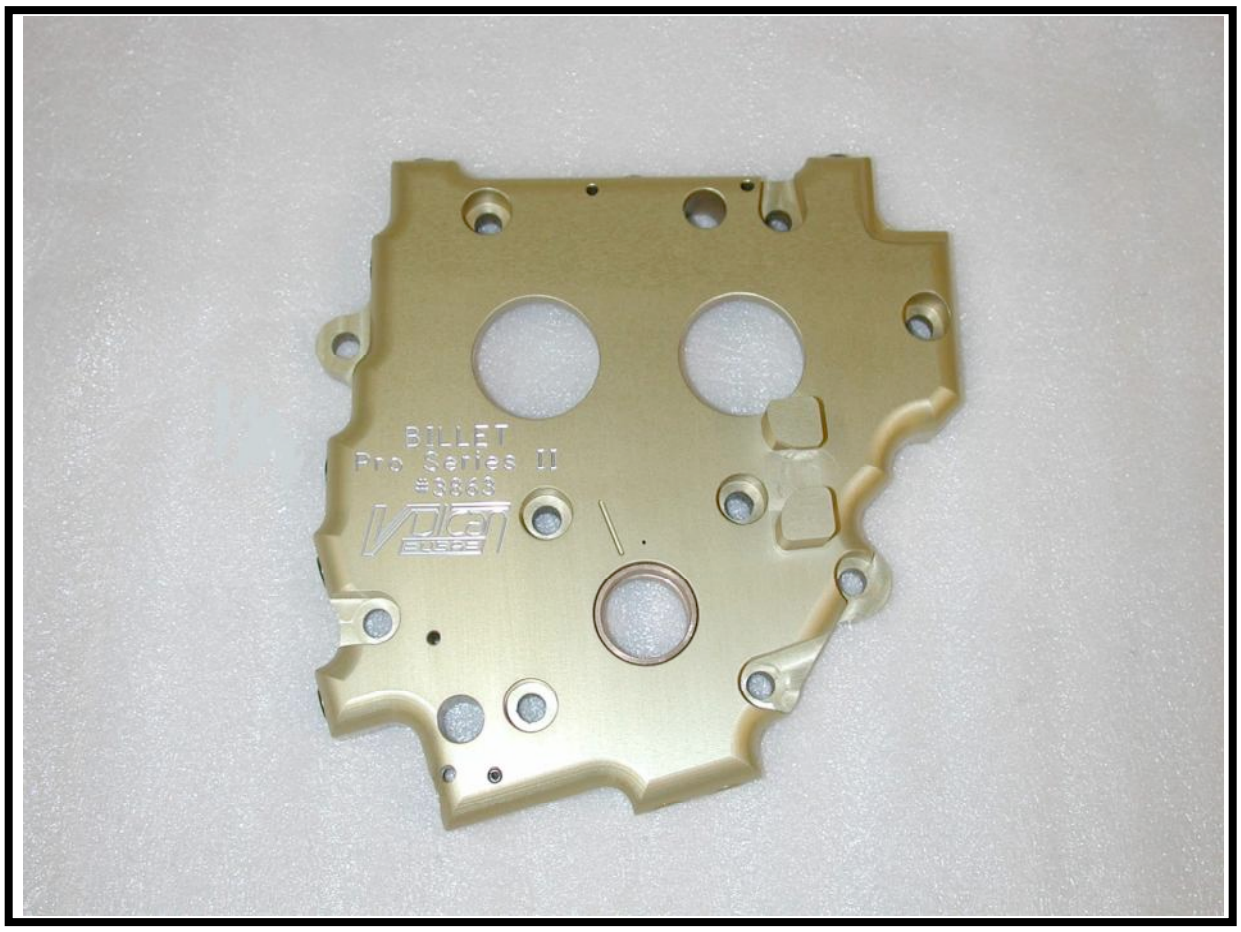
CHROME PLATED

 # 3224 Rocker Box Set (2 Heads)

T/C-88 Camshaft Support Plate

Made from 7075 billet aluminum.
Anodize finish.
Pinion shaft bushing bored to size.
Oil pump relief valve & spring included.

All oil ports are drilled & tapped for pipe plugs, stock plates have pressed in ball bearings.
Will not flex like stock plates.
All edges are radiused for extra cam cover clearance.



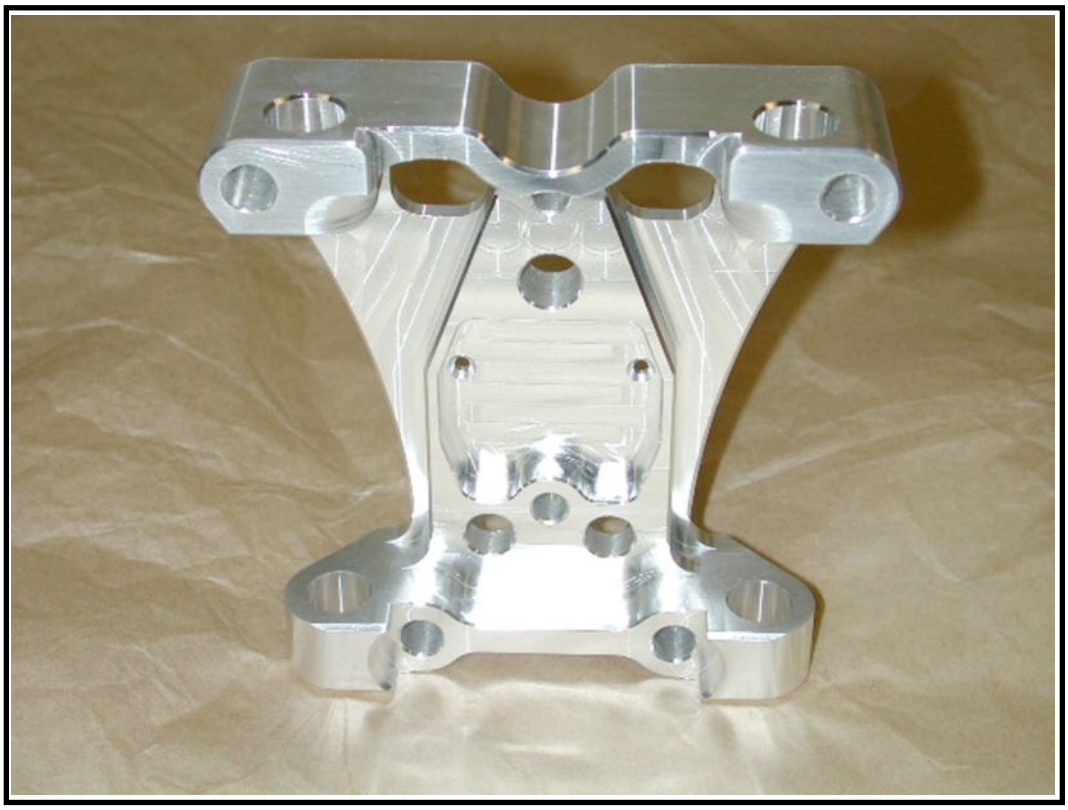
Replaces 25267-99B

 # 3863 Camshaft Support Plate, 1999 -Up T/C-88 Motor W/ Timing Chain Cams

 # 3880 Camshaft Support Plate, 1999-Up T/C-888 Motors W/ Gear Drive Cams

Vulcan ENGINEERING COMPANY
MANCHESTER • NEW HAMPSHIRE

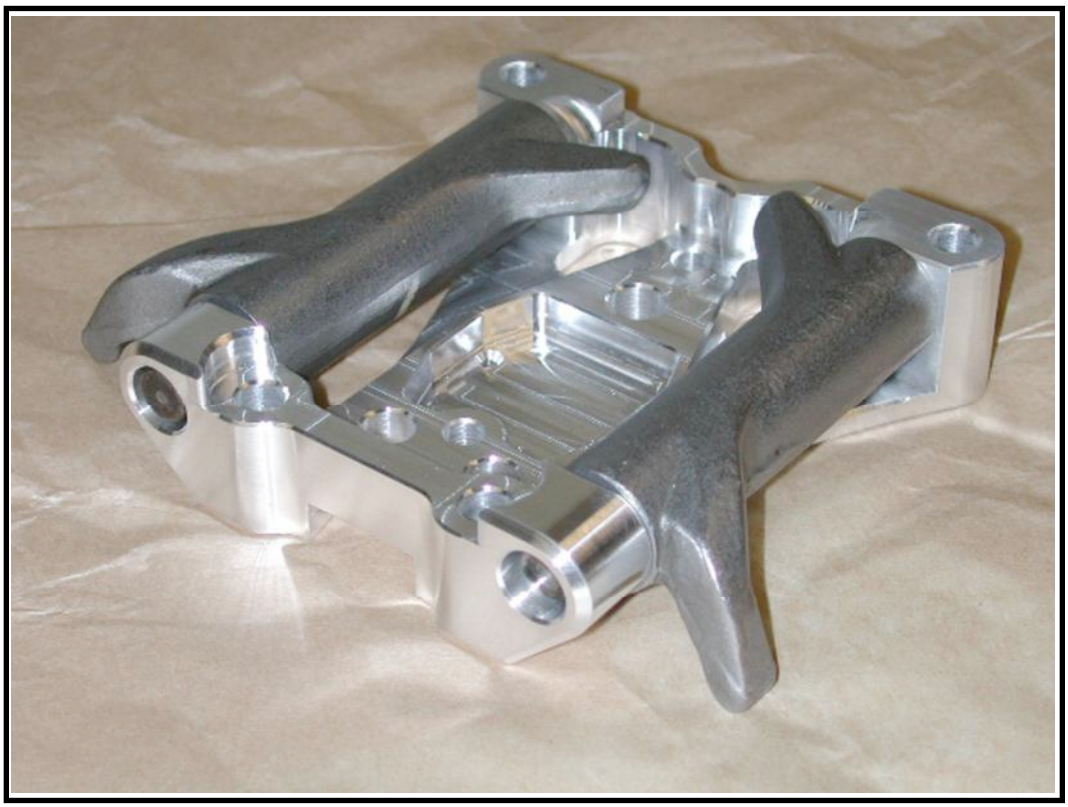
T/C-88
Rocker Arm Support



7075 Billet Aluminum

Replaces 17594-99

This beefed up support will eliminate flexing when using high lift cams & stiff valve springs.



#3800 All T/C-88's

Rocker Box Set, T/C-88

6061 Billet Aluminum

Chrome Plated

Chrome Plated Hardware Included

Uses O.E.M. Gaskets

Rocker Boxes Clearance for High Lift Cams and Valve Springs

Made in USA

Install this rocker box set in accordance with Harley T/S-88 Service Manual

Use any gasket set made for T/C-88 rocker boxes

NO. 3799

Motorway Engineering Co.
603-668-6315

Vulcan ENGINEERING COMPANY
MANCHESTER • NEW HAMPSHIRE

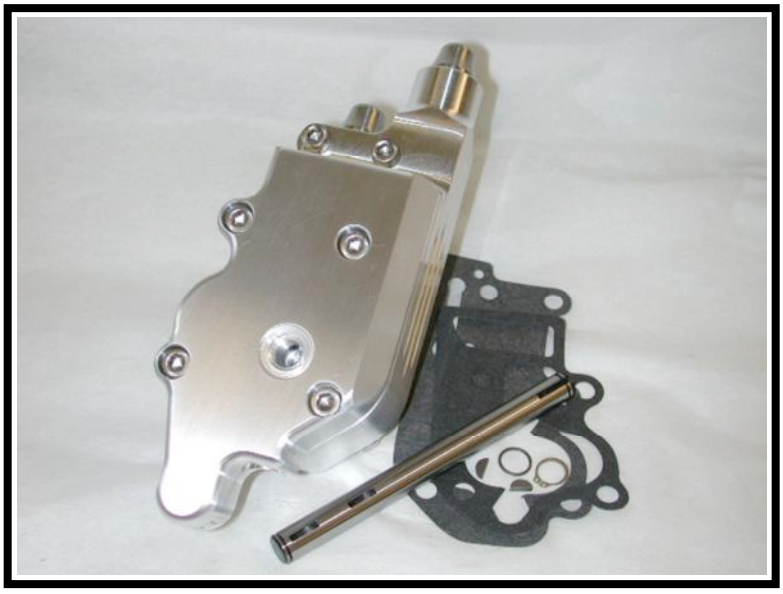
T/C-88 Tappet Block Set
Billet Aluminum & Chrome Plated
With Stainless Steel Hardware

Machined with extra clearance for high lift cams
Matches our cam cover & rocker box set

Part # 3862

Vulcan ENGINEERING COMPANY
MANCHESTER • NEW HAMPSHIRE

Billet Oil Pump



Housing & Cover made from 7075 Billet Aluminum

Gears & shafts made from 8620 tool steel

Precision machined check valve seat stops oil from filling crankcase

Uses OEM gaskets

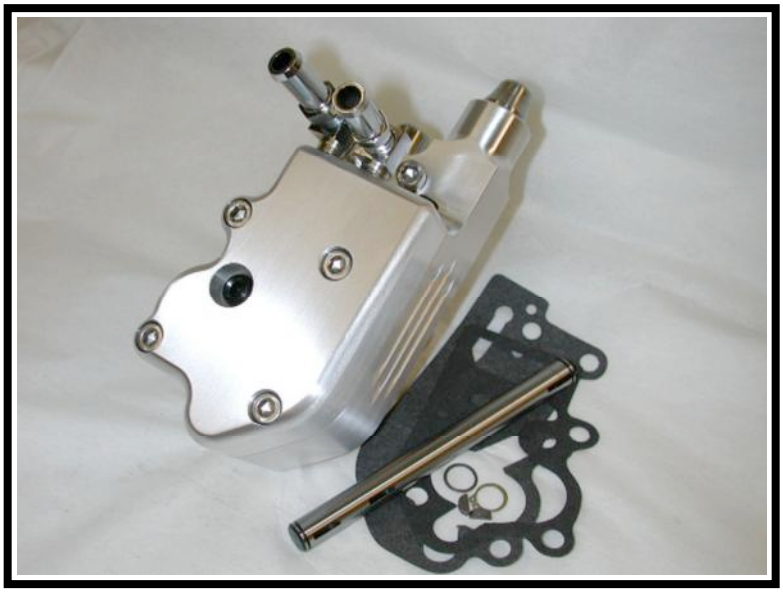
Pumps #3368 & 3369 have larger return side gears for increased scavenge to feed ratio

Eliminates oil blow by

No more oil soaked air cleaner

Oil pump is sold complete with stainless steel hardware

Gears are ground for .0005 clearance in housing bore.



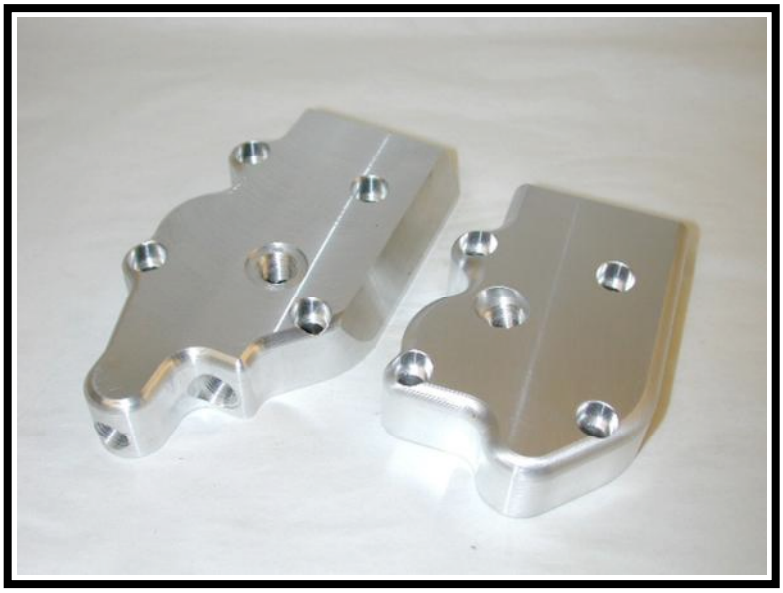
A Must For Big Inch Motors

#3368 1992-Up B/T
Hi Scavenge

#3553 1992-Up B/T
Stock Replacement

#3369 1968-1991 B/T
Hi Scavenge

#3552 1968-1991 B/T
Stock Replacement



Oil Pump Covers

#3554 Use this 1992 style cover on 1968 -1991 oil pumps. Perfect for front mounted oil coolers & filters.

#3555 Use this 68-91 style cover on 92-Up style pumps. Perfect when using new style motors in early bikes.

Oil Pump Parts, 68-Up B/T

All Gears are made from 8620 tool steel on CNC equipment

#3561 Drive Gear, Feed Side
Rpls. 26328-74

#3562 Idler Gear, Feed Side
Rpls. 26326-62A

#3563 Drive Gear, Return Side
For Vulcan Hi Volume Pump

#3564 Idler Gear, Return Side
For Vulcan Hi Volume Pump

#3572 Drive Gear, Return Side
Rpls. 26315-68A

#3573 Idler Gear, Return Side
Rpls. 26317-68A

Oil Pump Shafts

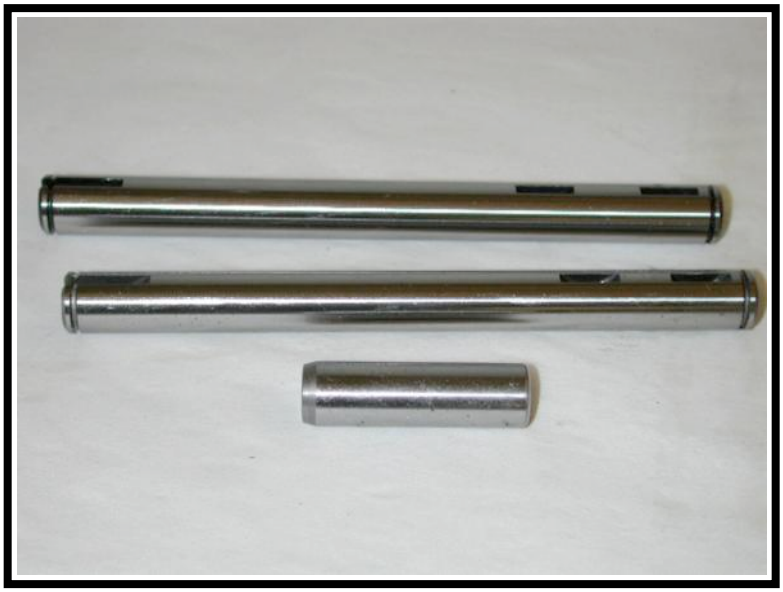
Shafts are made from 4340, heat treated & center less ground. Unlike most after market shafts, the snap ring grooves are machined to the proper depth.

#3565 Oil Pump Shaft
Rpls. 26346-70

#3566 Oil Pump Shaft
For Vulcan Hi Volume Pump

#3567 Idler gear shaft
For Vulcan Hi Volume Pump

#3568 Idler Gear Shaft
Rpls. 26327-68



Oil Pump Parts, 68-Up B/T

#3556 Relief Valve 82-Up B/T
Rpls. 26400-82

#3557 Relief Valve 54-81-Up B/T
Rpls. 26400-54

#3558 Check Ball, All B/T's
Rpls. 8873

#3359 Spring, Oil Pump Relief
Rpls. 26207-83

#3560 Spring, Oil Pump Check Valve
Rpls. 26262-80

Vulcan ENGINEERING COMPANY
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T/C-88 Pinion Bearing Removal-Installation Tool

Installs pinion shaft bearing to correct depth

#3798 1999-up T/C-88

Timken Bearing Installation Tool

This tool will install a Timken bearing assembly effortlessly. Has a oversized thrust bearing and is heat treated to last a lifetime.

#3298 All B/T's

#3299 All XL's

Vulcan ENGINEERING COMPANY
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Camshaft Installation Removal Tool

For T/C-88 Motors

#3848 All T/C-88 Motors

Piston Installation Support Plate

#3849 All T/C-88 Motors

#3884 Pan, Shovel & Evo Motors

3755

Twin Cam-88 Adapter Plate

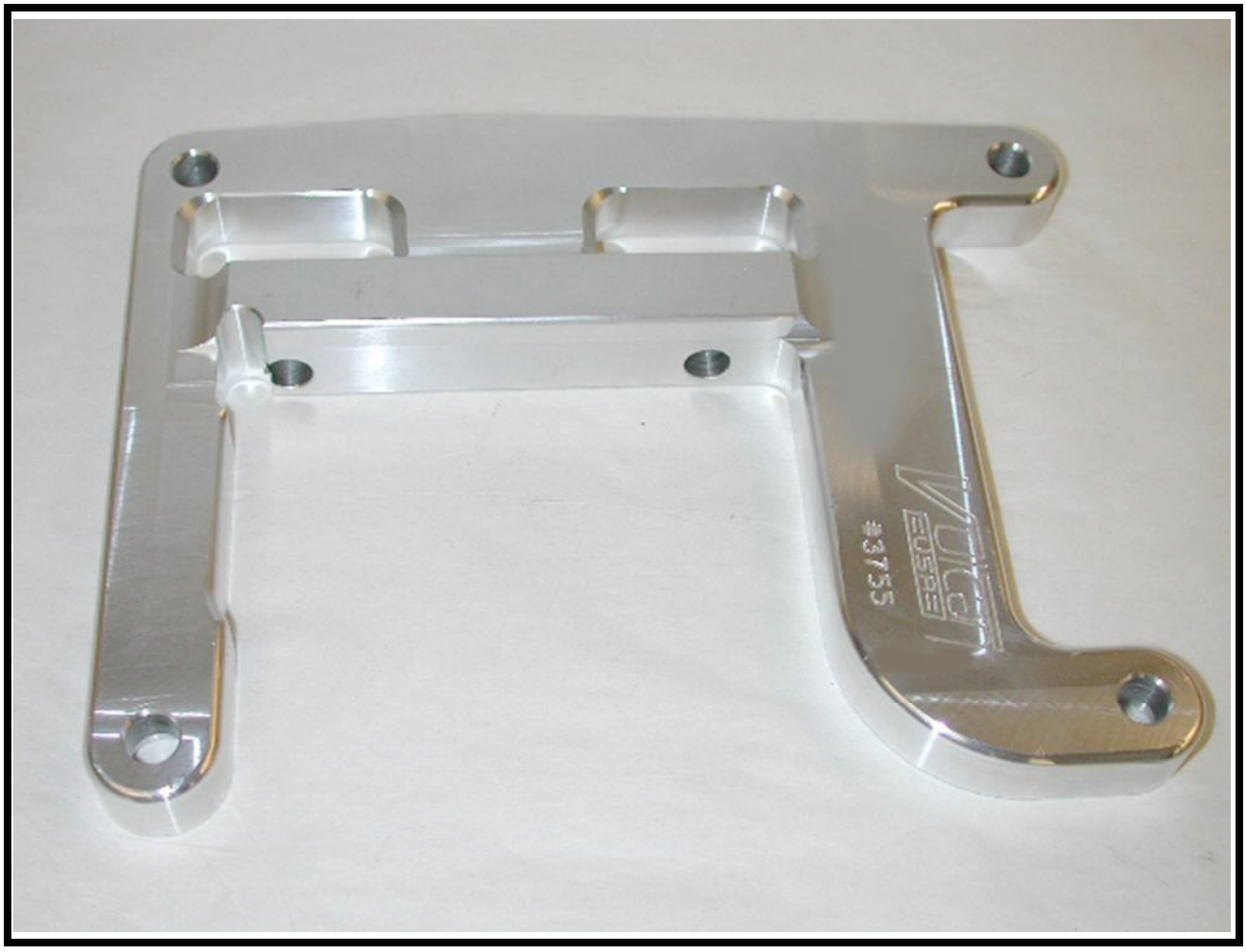
Adapts T/C-88 A Motor To EVO & Custom Frames

(4) 3/8-16 x 2” Long Stainless Steel Cap Screws
(2) 3/8-24 x 1-3/4” Long, Grade-8 Cap Screws
(2) 3/8-24 Stainless Steel Hex Nuts
(6) 3/8” SAE, Stainless Steel Flat Washers
(6) 3/8” Lock Washers, Stainless Steel

6061 Billet Aluminum

USA

By using this adapter plate , a T/C-88 motor can be used in any frame designed for a EVO motor. EVO top motor mounts, transmissions, primary drives, & exhaust systems can be used.



Vulcan ENGINEERING COMPANY
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USA

T/C-88 Cam Cover Kit

With Ignition Conversion Kit

6061 Billet Aluminum

Chrome Plated

Stainless Steel Hardware

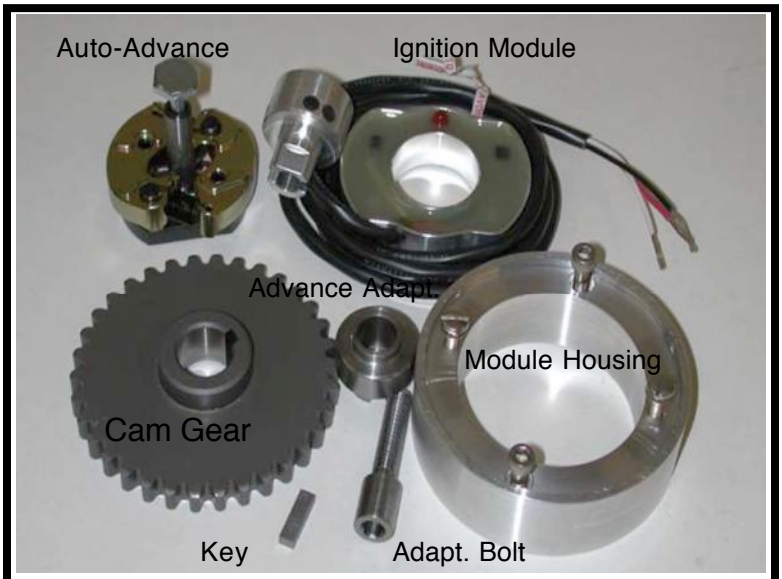
Timing Tool

Single or Dual Fire Ignition

This cam cover kit comes with a *EVO* style, self contained ignition system. Requires no microprocessor, crank sensor, cam angle sensor, *MAP* sensor, *BAS* sensor.

This is the solution for bike builders using T/C-88 motors in custom bikes, and don't want to use the complex factory wiring harness, and want a simple solution for ignition timing.

Part # 3757



Billet Aluminum Distributor

Single or Dual Fire

Includes Chrome Cap

Uses a heat treated auto advance to control advance curve.

Front to rear cylinder is pre-timed and accurate to within 1/2 Degree.

Less coil dwell time, which promotes longer coil life & a hot spark at any R.P.M.

All components made in ***USA***

Can use 3 or 5 ohm coils

Easier to install than points, has built in timing light.

Operates on 10-17 volts. Draws less than 1/2 amp.

Unlike *Unilite* ignitions, this sealed *Hall Effect* ignition is impervious to moisture and vibration.

Same size as O.E.M. Auto Advance Dist,

#3110	**1936-1969 B/T**
#3112	**1957-1970 XL, And flat heads**
#3110-1	**Replacement Module**

Vulcan ENGINEERING COMPANY
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Distributor Hold Down Clamp

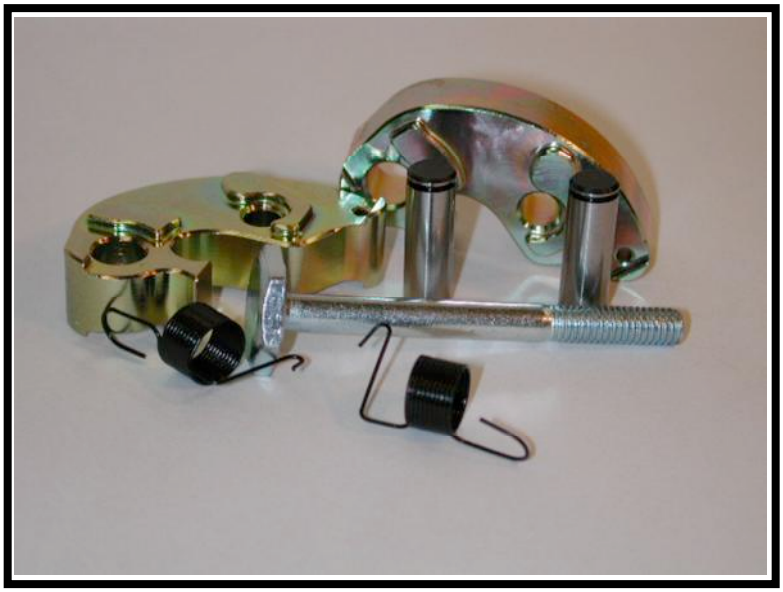
Billet Aluminum

#3162 **1936-1969 B/T**

#3794 **Sportster**

Auto Advance Parts

Heat Treated weights & pins, can be used to update any auto advance. All parts made in ***USA***.



#3795 **Weight**

#3796 **Pivot Pin**

#3797 **Spring Set**

#3798 **Bolt**

Ignition Stand-Off

This made to the proper length when replacing OEM electronic ignition with after market ignition. This one is made right, the stud wont break off like the import ones do.

#3799 **All Big Twins**

Vulcan ENGINEERING COMPANY
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Electronic Ignition

Single & Dual Fire, Built-In Timing Light
All Components Made In USA
Front To Rear Cylinder Timing Accurate
To 1/2 Degree.

#3154 **All Cone Motors**

Electronic Ignition

Single & Dual Fire, Built-In Timing Light
All Components Made In USA
Front To Rear Cylinder Timing Accurate
To 1/2 Degree.

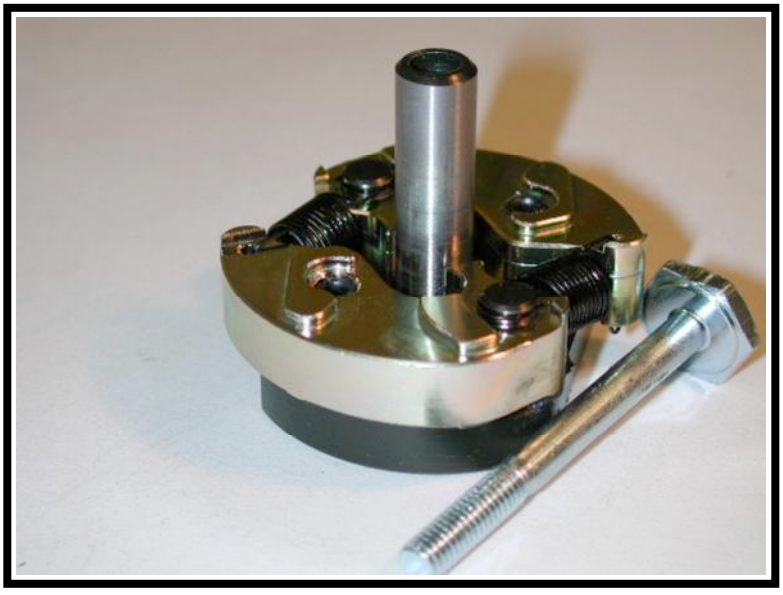
#3793 **Twin Cam-88 Motors & Can be adapted To Distributor Motors**

Auto Advance Mechanism

The auto advance base & shaft are one piece, machined from 4350 chrome moly tool steel, ground to .0001 accuracy. Pivot pins are tool steel & heat treated to 58 RC. The weights are not cast, but machined from 4140 billet bar stock & heat treated. This unit is meant to last a lifetime.

#3117 **All Cone Motors**

#3116 **Reverse Rotation For Distributors & T/C-88 Motors**



Dual Dyna Coil Bracket

Fits all H-D's with custom top motor mount.

Billet Aluminum-Chrome Plated

With ignition switch hole
and starter button hole

#3745 Coil Bracket

Dual Dyna Coil Bracket

Fits all H-D's with custom top motor mount.

Billet Aluminum-Chrome Plated

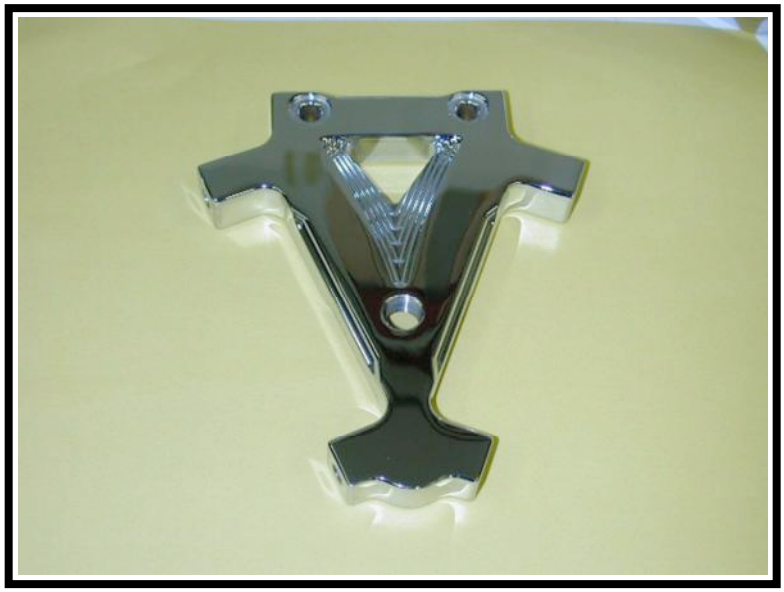
#3791 Coil Bracket

Dual Dyna Coil Bracket

Fits all H-D's with custom top motor mount.

Billet Aluminum-Chrome Plated
With Starter Button Hole

#3792 Coil Bracket



Vulcan ENGINEERING COMPANY
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Dual Dyna Coil Bracket

Fits all big twins when coil bracket is attached to top motor mount

Billet Aluminum

#3120 **Satin Finish**

#3120C **Chrome**

Dual Dyna Coil Bracket

Same application as above but bracket is machined for 1977-up
FX style ignition switch & custom starter button.

#3153 **Satin Finish**

#3153C **Chrome**

Dual Dyna Coil Bracket

3-piece billet aluminum

#3118 **Softails, Satin Finish**

#3118C **Softails, Chrome**

#3140 **Dyna-Glide, Satin Finish**

#3140C **Dyna-Glide, Chrome**

Vulcan ENGINEERING COMPANY
MANCHESTER • NEW HAMPSHIRE

Dual Dyna Coil Bracket

Billet Aluminum-Shrome Plated

Fits all 4-Speed FL's & FX's

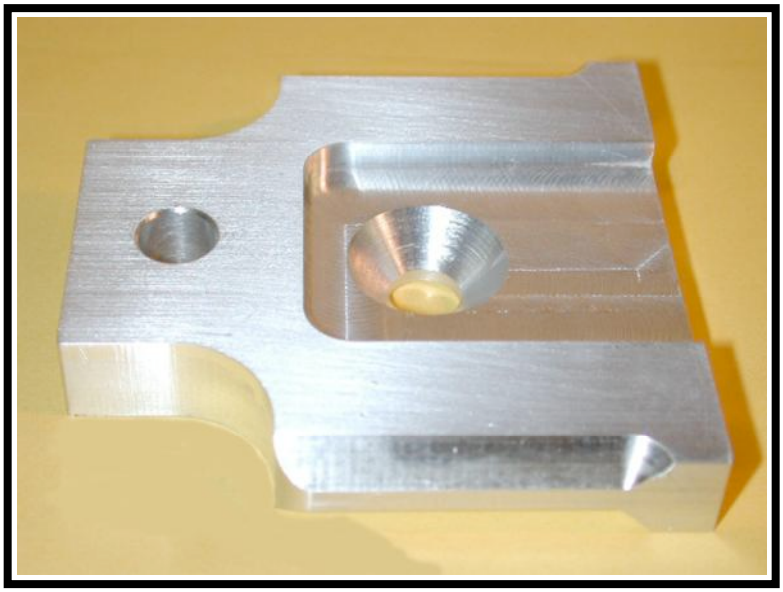
#3119 **Coil Bracket**

Coil Bracket Adapter

Billet Aluminum

Adaptes # 3120, 3153, 3745, 3791, and 3792 coil brackets to EVO XL top motor mount.

#3408 **Coil Bracket Adapt.**



Starter Switch

Custom starter button style switch for custom coil brackets and other cutom application.

#3800 **Starter Button Switch**

Vulcan ENGINEERING COMPANY
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Transmission Bearing Support Plate

Made from 7075 Billet Aluminum

Bearing diameters are bored not milled, for absolute accuracy

Will not flex, improves shifting

Replaces #34844-57B

#3165 1957-1983, XL

Transmission Bearing Support Plate

Replaces #34853-86

#3155 1986-1990, XL

Transmission Bearing Support Plate

Replaces #34847-84

#3166 1984-1985, XL

Vulcan ENGINEERING COMPANY
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Transmission Bearing Support Plate

Made from 7075 Billet Aluminum

Bearing diameters are bored not milled, for absolute accuracy

Will not flex, improves shifting

#3147 1987-1998 5 Speed, B/T

#3866 1999-Up 5 Speed , B/T
For 52mm OD Bearings

Transmission Bearing Support Plate

#3146 1980-1986, 5 Speed, B/T

Transmission Bearing Support Plate

Replaces 25238-90

#3156 1991-Up, XL

Vulcan ENGINEERING COMPANY
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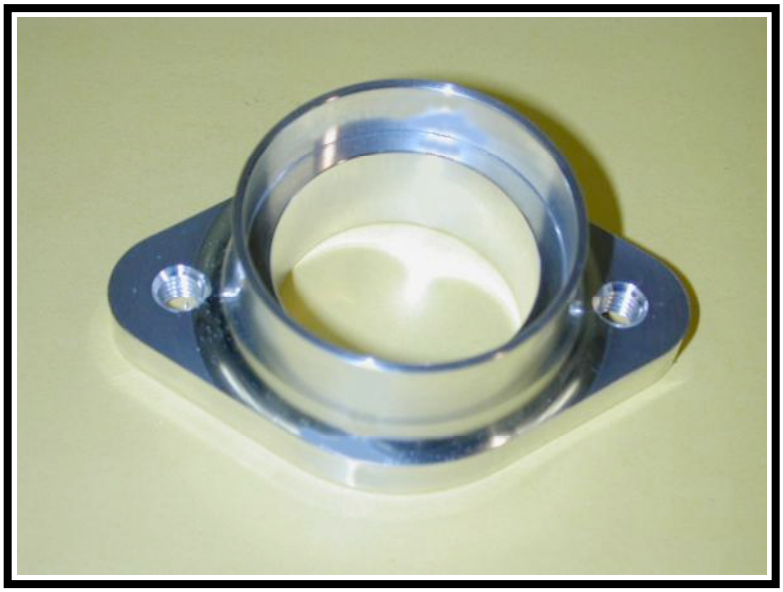
CV Carb Adapter

#3150 HRS-42 & OEM CV Carb
To 2-Bolt OEM Type Manifold

#3416 HRS-42 & OEM CV Carb
To S&S 'E' Manifold

#3783 Screaming Eagle 44mm CV
Carb, To S&S 'E' Manifold

#3784 Screaming Eagle 44mm CV
Carb, To S&S 'G' Manifold



S&S 1" Thick Carb Spacer

Billet Aluminum, O-Ringed Grooved
Works with 5 & 6 Gallon Fat Bobs

#3105 Super 'B'&'E'

#3106 Super 'G'

#3164 Super 'D'

S&S 3/8" Carb Spacer

#3212 Super 'B' & 'E'

Vulcan ENGINEERING COMPANY
MANCHESTER • NEW HAMPSHIRE

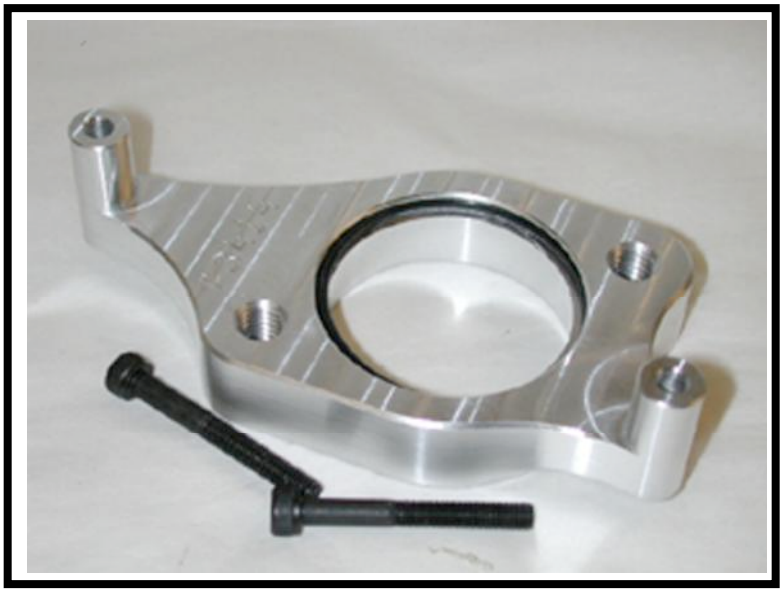
Mikuni Hi-Flo Carb Back

Adapts HRS-42 & 45 Mikuni Carbs To
S&S Manifolds.

Billet Aluminum-CNC Machined

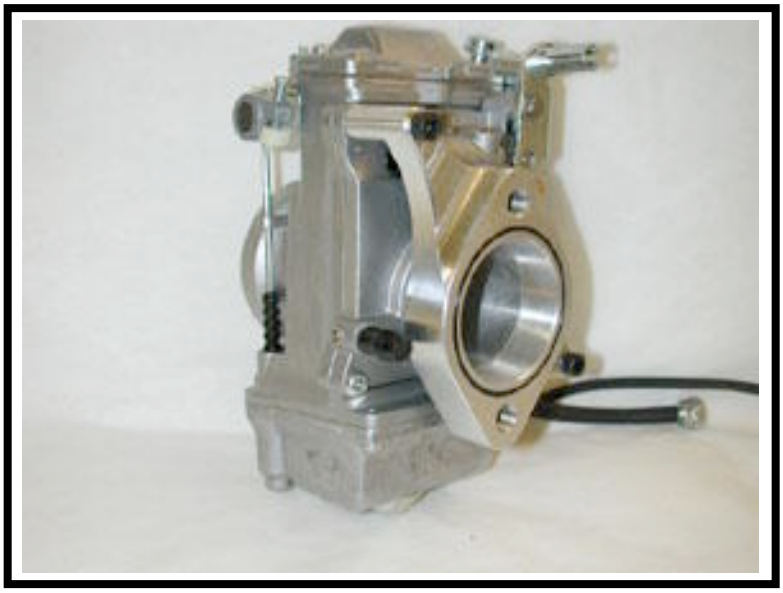
Precision Machined bore, tapers from Mikuni
outlet diameter to S&S manifold inlet size.

Substantial flow increase using
S&S's
larger plenum intake manifold.



Ideal for stroker & big bore motors that require
odd length intake manifolds. S&S intake manifolds
are available for all length cylinders.

Includes O-Ring & metric hardware.

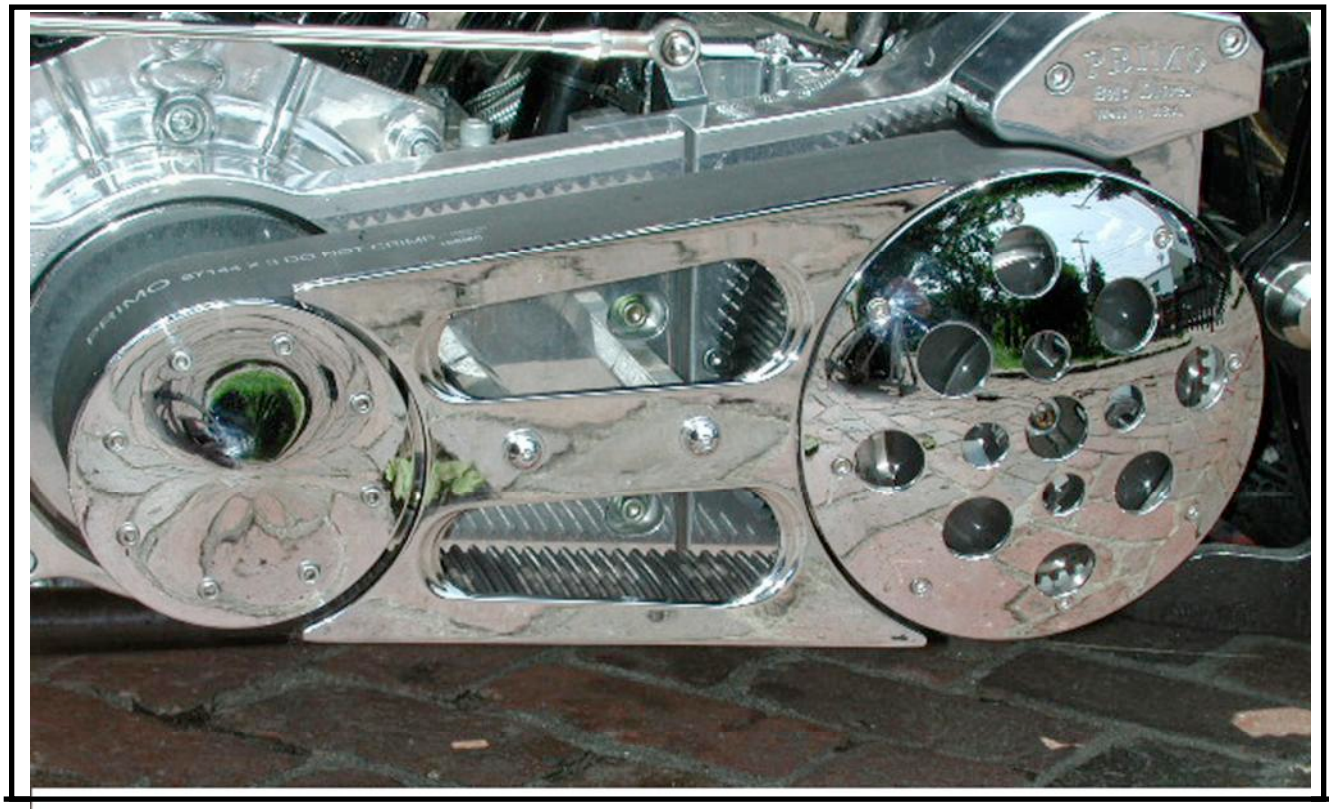


#3413 HRS-42 Mikuni To S&S
Super B&E Manifolds.

#3414 HRS-45 Mikuni To S&S
Super B&E Manifolds.

#3415 HRS-45 Mikuni To S&S
Super G Manifolds.

Vulcan
ENGINEERING COMPANY
MANCHESTER • NEW HAMPSHIRE



Belt Drive Cover Set

With Stainless Steel Hardware

3 Piece Cover Set,
Front Pulley Cover
Rear Clutch Hub Cover
Middle Outer Cover

Billet Aluminum

Clutch Hub Cover Has Machined Holes To Ventilate Clutch Pack.

These covers are machined from billet bar stock and will not throw pulleys out of balance as do spun aluminum covers.

# 3756	3 Pc. Set, Primo, Satin Finish
#3756C	3 Pc. Set, Primo, Chrome Finish
#3788	3 Pc. Set, BDL, Satin Finish
#3788C	3 Pc. Set, BDL, Chrome Finish

Billet Headlight

Machined from 7” diameter billet alum., Quartz Halogen bulb, O-Ringed sealed, show chromed.

#3794 Headlight With Knurled Tri-Bar Lens Cover

Billet Headlight

Machined from 7” diameter billet alum., Quartz Halogen bulb, O-Ringed sealed, show chromed.

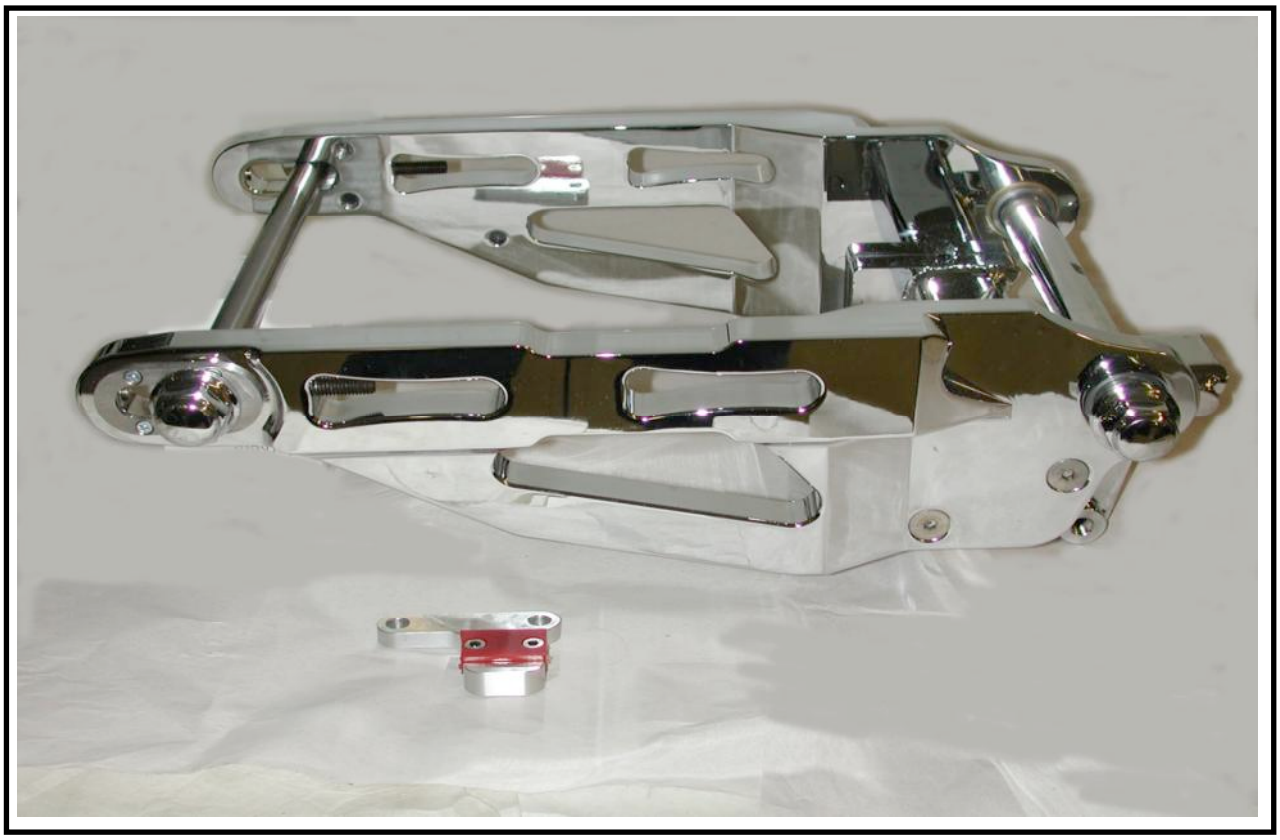
#3781 Headlight With Smooth Tri-Bar Lens Cover

Softail Swing

Billet Aluminum Chrome Plated

Allows 200 series tire with belt drive, using a stock frame.

Includes
Swing arm assembly
Axle Nuts
Pivot Bearings & snap rings
Custom Pivot Tube Bolts
Axle
Stainless steel axle plates
Pivot Tube
Swing arm Stop



Requires a 1” Offset Fat Tire Kit # 3550

No. 3600 1984-1999 FXST
No. 3885 2000-Up FXST

Billet Aluminum FXR Swing arm

Fits stock & custom FXR frames
Accepts 180 series tires
Designed for belt or chain drive
Drive side is offset 9/16”

Chrome Plated

6061 Billet Aluminum

Shown with optional swing arm support bracket & matching caliper bracket

No. 3401	Billet aluminum brake caliper bracket, chrome plated.
No. 3547	Swing arm support bracket, billet aluminum, chrome plated.
No. 3548	Swing arm support bracket, with rear foot peg mounts.
No. 3549	Pivot shaft kit, replaces 47492-89, chrome moly extra strong.

Includes
Billet aluminum concealed axle adjusters
Heat treated chrome moly axle
Custom chrome plated axle nuts
Belt guard mount
Stainless steel axle plates

No. 3424C Chrome Plated

Made In USA

Motorway Engineering Co.
603-668-6315

Vulcan ENGINEERING COMPANY
MANCHESTER • NEW HAMPSHIRE

Rigid Frame Fender Strut Set

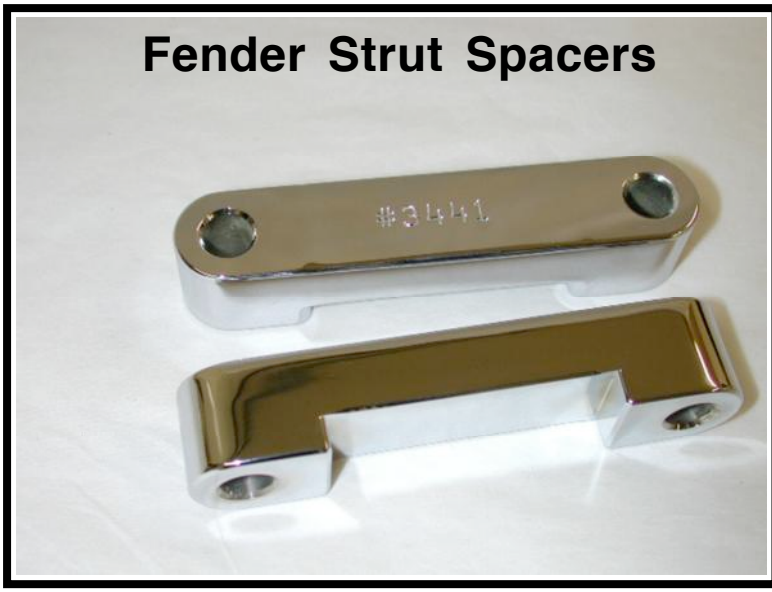
Billet Aluminum-Chrome Plated

#3748 Fender Strut Set

Install fender struts to frame,center fender on tire, measure gap between each strut and fender, and order the correct thickness spacer from the chart below.

#3439	3/8" Thick
#3440	1/2" Thick
#3441	3/4" Thick
#3749	1" Thick
#3750	1-1/4" Thick
#3751	1-3/8" Thick
#3752	1-1/2" Thick
#3753	1-3/4" Thick
#3754	2" Thick

Fender Strut Spacers



Swing arm Support Bracket

With rear foot peg mounts

Billet Aluminum-Show Chromed

Screw in Flush End Caps

#3548 Fits all FXR's

Swing arm Support Bracket

Billet Aluminum-Show Chromed

Screw in Flush End Caps

#3147 Fits all FXR's

Swing arm Pivot Shaft Kit

Replaces 47492-89

Chrome moly, extra strong

#3549 Fits all FXR's

FXST Fat Tire Kit

Includes pulley spacer, inner primary cover spacer, transmission base plate & motor sprocket.

#3131 1/4", 84-90, W/Shaft Extension
#3462 1/4", 91-Up, W/24T Sprocket
#3705 1/4", 91-Up, W/25T Sprocket

#3467 1/2", 84-90, W/24T Sprocket
#3422 1/2", 91-Up, W/24T Sprocket
#3575 1/2", 91-Up, W/25T Sprocket

#3706 3/4", 84-90, W/24T Sprocket
#3407 3/4", 91-Up, W/24T Sprocket

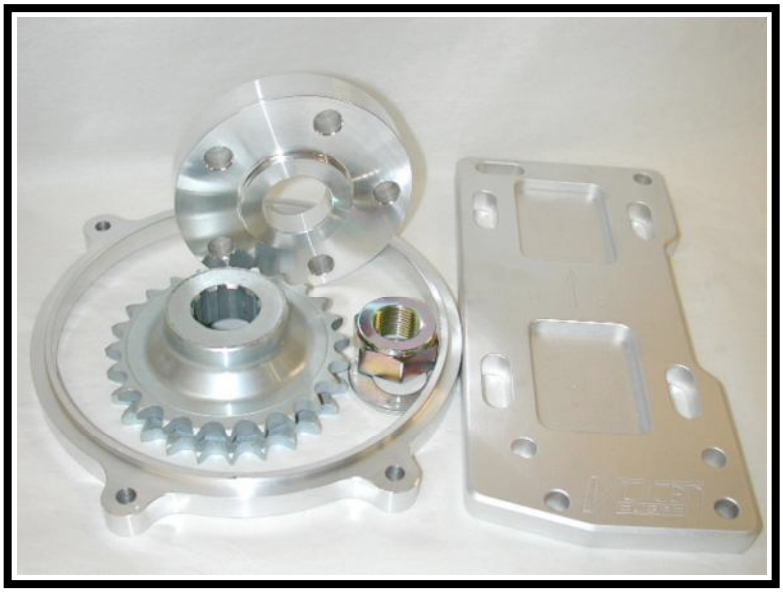
#3707 1", 84-90, W/24T Sprocket
#3550 1", 91 Up, W/24T Sprocket
#3802 1", 91-Up, W/25T Sprocket

#3803 1-1/4", 91-Up, W/24T Sprocket

4-Speed Big Twins, Fat Tire Kit

Includes pulley spacer, inner primary cover spacer, transmission base plate & motor sprocket.

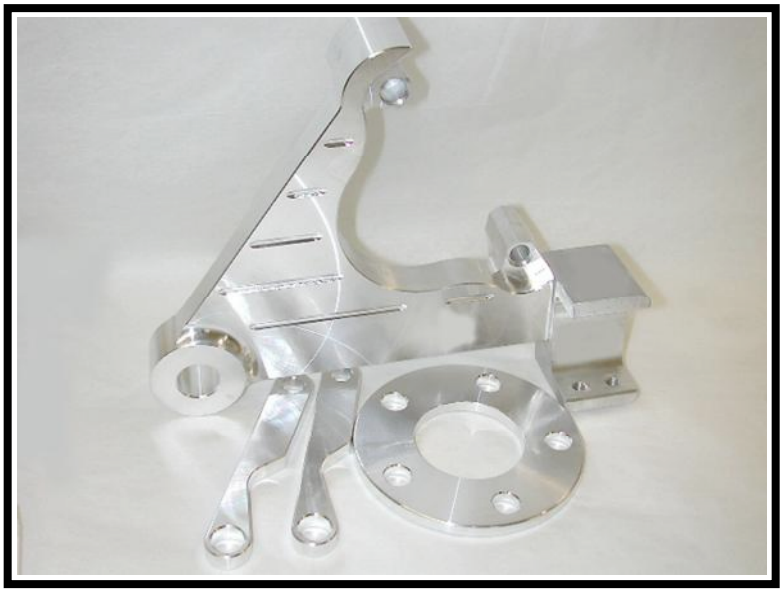
#3157 1/4", 70-84, W/Shaft Extension
#3708 1/2", 70-84, W/ 24T Sprocket
#3804 3/4", 70-84, W/ 24T Sprocket
#3805 1", 70-84, W/ 24T Sprocket



FXR Fat Tire Kit

Includes pulley spacer, fender strut spacers, & billet aluminum brake caliper bracket.

#3132 .300 Offset, 84- Up FXR



Motor Sprockets-Big Twins

Includes heat treat 4150 tool steel sprocket,flat washer & and tool steel nut.

#3464 1/4” Offset, 24T, 91-Up, 1/2” Offset 70-90
#3470 1/4” Offset, 25T, 91-Up, 1/2” Offset 70-90

#3463 1/2” Offset, 24T, 91-Up, 3/4” Offset 70-90
#3471 1/2” Offset, 25T, 91-Up, 3/4” Offset 70-90

#3682 3/4” Offset, 24T, 91-Up, 1” Offset 70-90
#3596 3/4” Offset, 25T, 91-Up, 1” Offset 70-90

#3573 1” Offset, 24T, 91-Up, 1-1/4” Offset 70-90
#3585 1” Offset, 25T, 91-Up,1 -1/4” Offset 70-90

#3797 1-1/4” Offset,25T, 91 Up
#3865 1-1/2” Offset, 25T, 91-Up

Shaft Extension

4150 Heat Treated Tool Steel

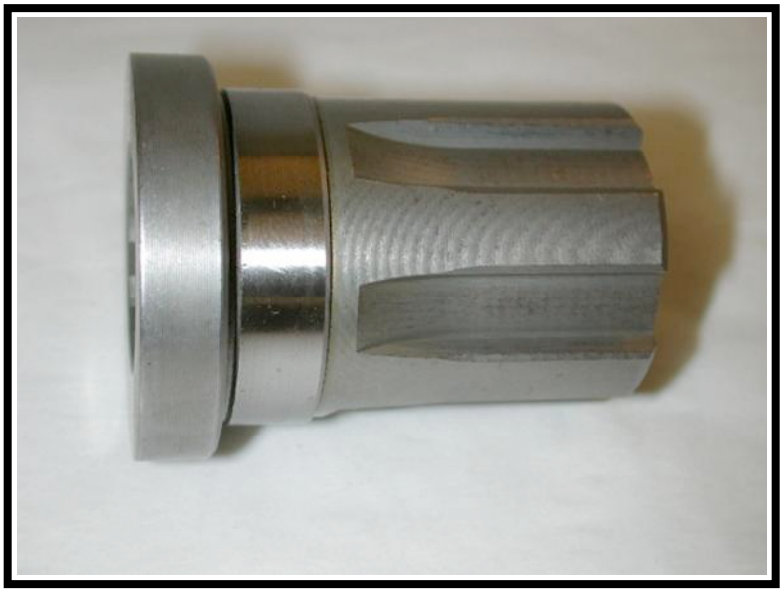
#3704 Stock, 91-Up,1/4” Offset 70-90

#3600 1/4” Offset, 91-Up,1/2” Offset 70-90

#3601 1/2” Offset, 91-Up,3/4” Offset 70-90

#3602 3/4” Offset, 91-Up,1” Offset 70-90

#3594 1” Offset, 91-Up,1-1/4” Offset 70-90



Shaft Extension Bolt

Machined Tool Steel

#3657 1/4” Longer

#3658 1/2” Longer

#3659 3/4” Longer

#3660 1” Longer

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MANCHESTER • NEW HAMPSHIRE

Transmission Base Plate

Softails

3/16" Thick Steel Plate, Fully Machined, Not Stamped.

#3536	**No Offset,** (stock heavy duty)
#3537	**1/4" Offset**
#3538	**1/2" Offset**
#3539	**3/4" Offset**
#3540	**1" Offset**
#3840	**1-1/4" Offset**
#3841	**1-1/2" Offset**

Transmission Base Plate

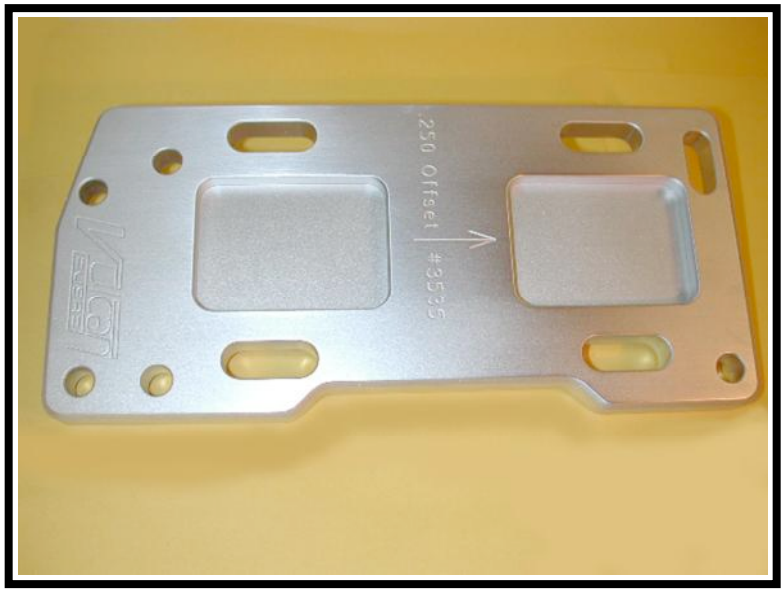
5-Speed Trans In A 4-Speed Frame

#3541	**Stock (No Offset)**
#3666	**1/4" Offset**
#3667	**1/2" Offset**
#3669	**3/4" Offset**
#3670	**1" Offset**

Transmission Base Plate

4-Speed Big Twin

#3226	**Stock (No Offset)**
#3535	**1/4" Offset**
#3709	**1/2" Offset**
#3739	**1" Offset**



Inner Primary Spacer Rings

Made from 6061 billet aluminum, not cast, for a leak free seal between the motor & the inner primary cover.

#3404	1/4” Thick
#3405	1/2” Thick
#3406	3/4” Thick
#3585	1” Thick
#3840	1-1/4” Thick
#3841	1-1/2” Thick

Wide Tire Axles

Made from 4140 tool steel, heat treated & centerless ground.

	Fits the following swing arms
#3583	C/S X-Drive, W / 1 Nut
#3630	T/R Rubber Mount, W / 1 Nut
#3711	Vulcan, FXR Billet Aluminum, W / 2 Nuts
#3710	Vulcan, Softail Billet Aluminum, W / 2 Nuts

Axle Spacers

Made from 1215 alloy steel & flash chrome plated, 1-1/8 OD by 3/4 ID. This is a list of in stock spacers that we carry.

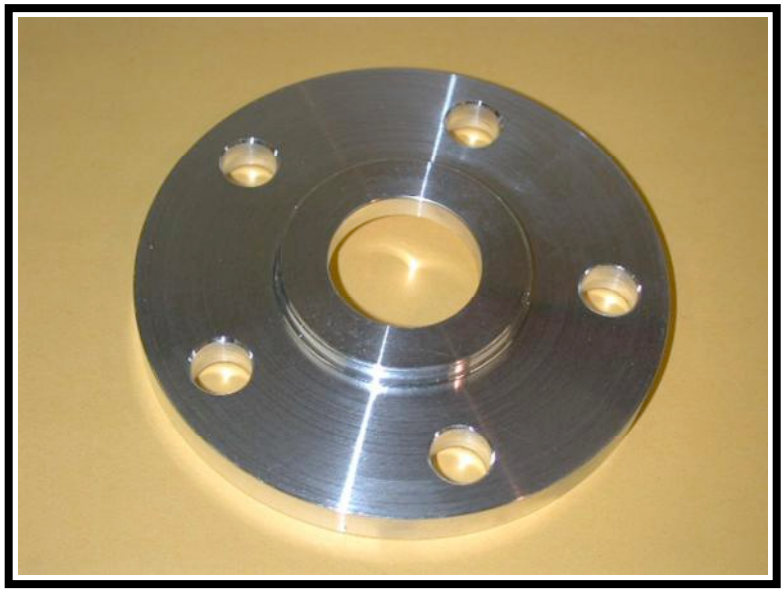
#3671	1/4	#3680	1.410
#3721	.287	#3514	1.437
#3509	5/16	#3504	1-1/2
#3510	3/8	#3515	1.625
#3511	1/2	#3725	2
#3720	5/8	#3672	2-1/4
#3512	.718	3716	2-1/2
#3722	3/4		
#3213-12	.906		
#3503	1		
#3723	1.060		
#3724	1-1/4		

Billet Aluminum

Vulcan Engineering Company
Manchester • New Hampshire

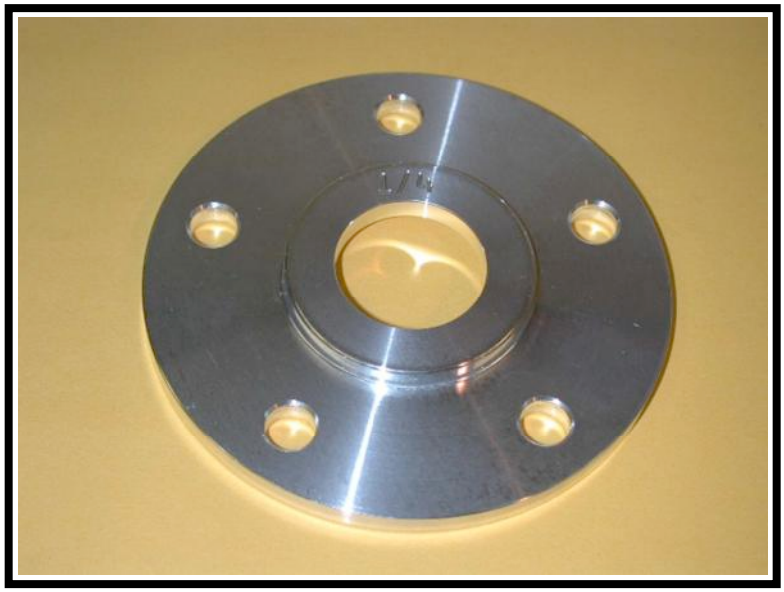
Rear Pulley Spacer

#3158	1/4” Thick
#3138	5/16” Thick
#3158	3/8” Thick
#3160	1/2” Thick
#3472	3/4” Thick
#3449	7/8” Thick
#3593	1” Thick



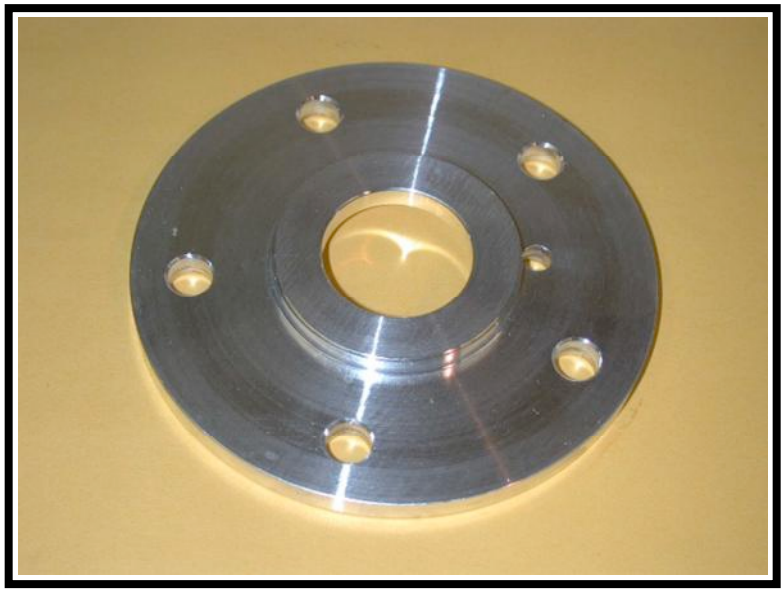
Rear Brake Rotor Spacer

#3699	1/4” Thick
#3701	5/16” Thick
#3702	3/8” Thick



Front Brake Rotor Spacer

#3499	1/4” Thick
#3500	5/16” Thick
#3501	3/8” Thick
#3502	1/2” Thick



Vulcan ENGINEERING COMPANY
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Fender Strut Spacer Set

Fits All FXR's

Billet Aluminum

#3455	1/4" Thick
#3728	3/8" Thick

Fender Strut Spacer Set

Fits 1958-1984 FX-FLH Frames

Billet Aluminum

#3456	1/4" Thick
#3727	3/8" Thick

Fender Strut Spacer Set

Fits All Softails

Billet Aluminum , With Chrome Hardware

#3454	3/16" Thick
#3757	1/4" Thick
#3458	3/8" Thick
#3726	1/2" Thick

Vulcan ENGINEERING COMPANY
MANCHESTER • NEW HAMPSHIRE

Forward Controls Brake Bracket Spacer

Fit All Big Twin Solid Mount Frames

Moves brake pedal assembly outward, to clear pipes and to compensate for thick custom air cleaners.

#3732	1/2” Thick
#3733	3/4” Thick
#3734	1” Thick
#3735	1-1/4” Thick

Forward Controls Shifter Bracket Spacer

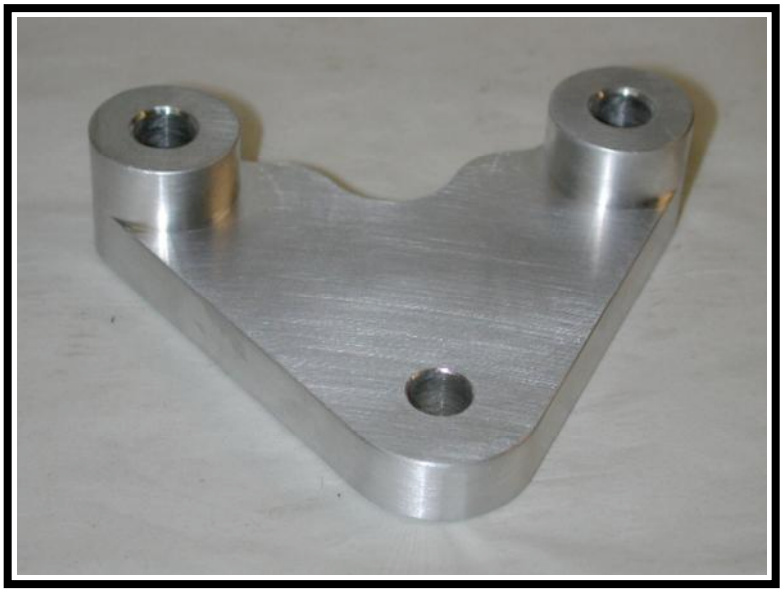
Fit All Big Twin Solid Mount Frames

Needed to ensure proper shifter rod & kickstand alignment when offsetting primary assembly.

#3729	1/4” Thick
#3730	1/2” Thick
#3677	3/4” Thick
#3731	1-1/4” Thick

Transmission 5 th Bolt Bracket

#3712	1/4” Offset
#3713	1/2” Offset
#3714	3/4” Offset
#3715	1” Offset



Vulcan ENGINEERING COMPANY
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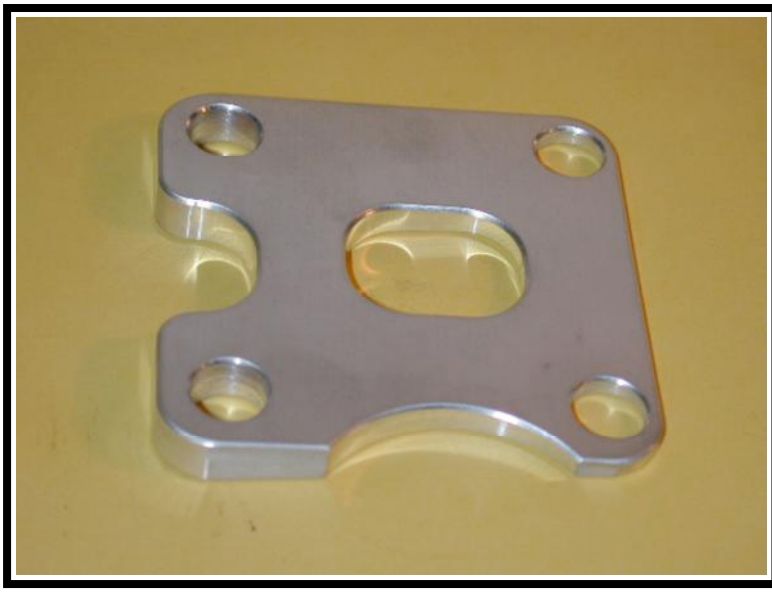
Kick Stand Wedge

1940-1999 FXST & FL-FX

Raises kick stand assembly on lowered bikes.

#3167 Billet Kick Stand Wedge



Kick Stand Wedge

For FLH-FLT-Road King
Rubber Mount Bikes
With Floor Boards.

#3632 Billet Kick Stand Wedge
2" Lower

#3633 Billet Kick Stand Wedge
1" Lower

Extended Forward Controls Adapter Bracket

Billet Aluminum-With-
Stainless Steel Hardware

Fits 1984-1999 Softails & Custom Frames

#3736 3" Forward, Satin Finish

#3736C 3" Forward, Chrome, Finish

#3737 2" Forward, Satin Finish

#3737C 2" Forward, Chrome Finish

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50mm Billet Fork Assembly

#3620 FLST Length, Single Disc

#3621 FXST Length, Single Disc

#3622 FLST Length, Dual Disc

#3623 FXST Length, Dual Disc

All aluminum parts made from 7075 billet aluminum.

Fender spacers are reversible, to accept either FLST or FXST bolt pattern fenders.

Caliper brackets are designed to replicate O.E.M. brackets and will accept any H-D or H-D replacement caliper

Fork tubes are 4340 chrome moly tubing. center less ground & show chromed.

41mm Billet Fork Assembly

#3609 FLST Length, Single Disc

#3607 FXST Length, Single Disc

#3611 FLST Length, Dual Disc

#3610 FXST Length, Dual Disc

All aluminum parts made from 7075 billet aluminum.

Fender spacers are reversible, to accept either FLST or FXST bolt pattern fenders.

Caliper brackets are designed to replicate O.E.M. brackets and will accept any H-D or H-D replacement caliper

Vulcan ENGINEERING COMPANY
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3 Degree Raked Fork Cup Set

Machined from steel bar stock. Bottom bearing cup has a fork stop lug.

Chrome Plated

#3908 **Big Twin Fork Cup Set**

#3909 **57-78 XL Fork Cup Set With Timken Bearing Conversion**

3 Degree Raked Fork Cup Set

Machined from steel bar stock.

Chrome Plated

#3910 **Big Twin Fork Cup Set**

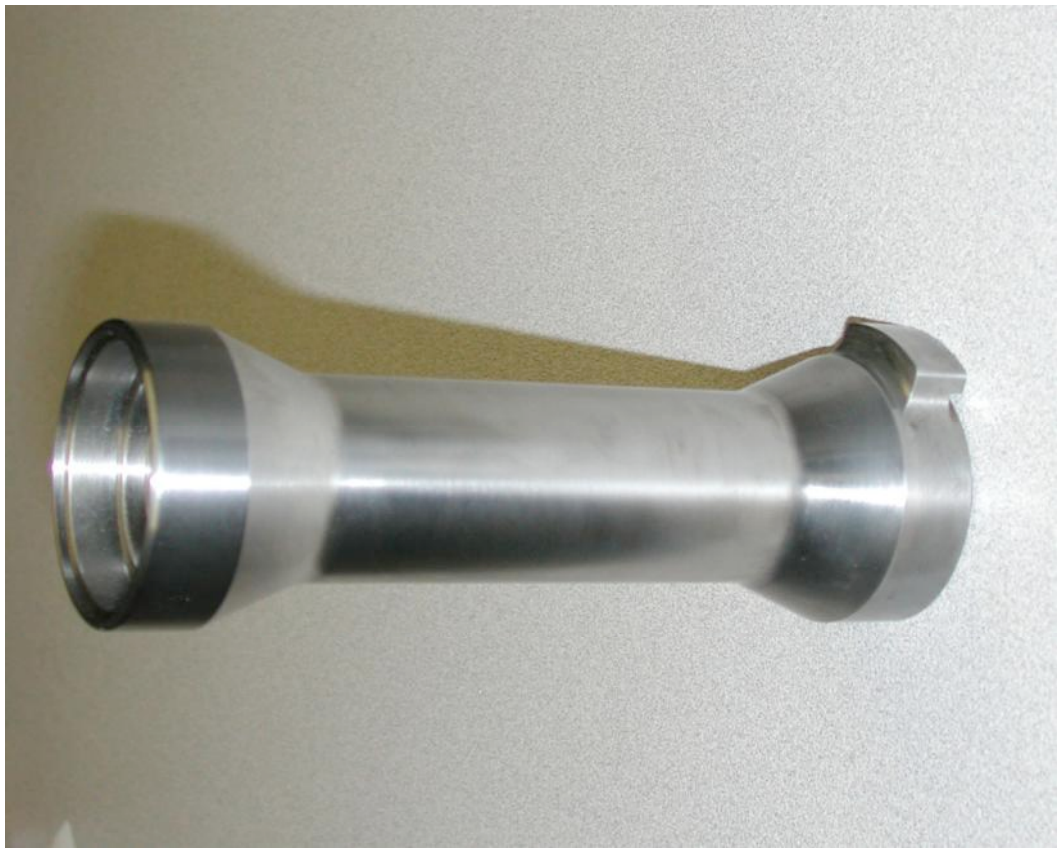
#3911 **57-78 XL Fork Cup Set With Timken Bearing Conversion**

Custom Frame Neck

Machined from 4141 steel bar, has internal bearing cups & fork stop lug.

Made to 1991-up FXST dimensions.

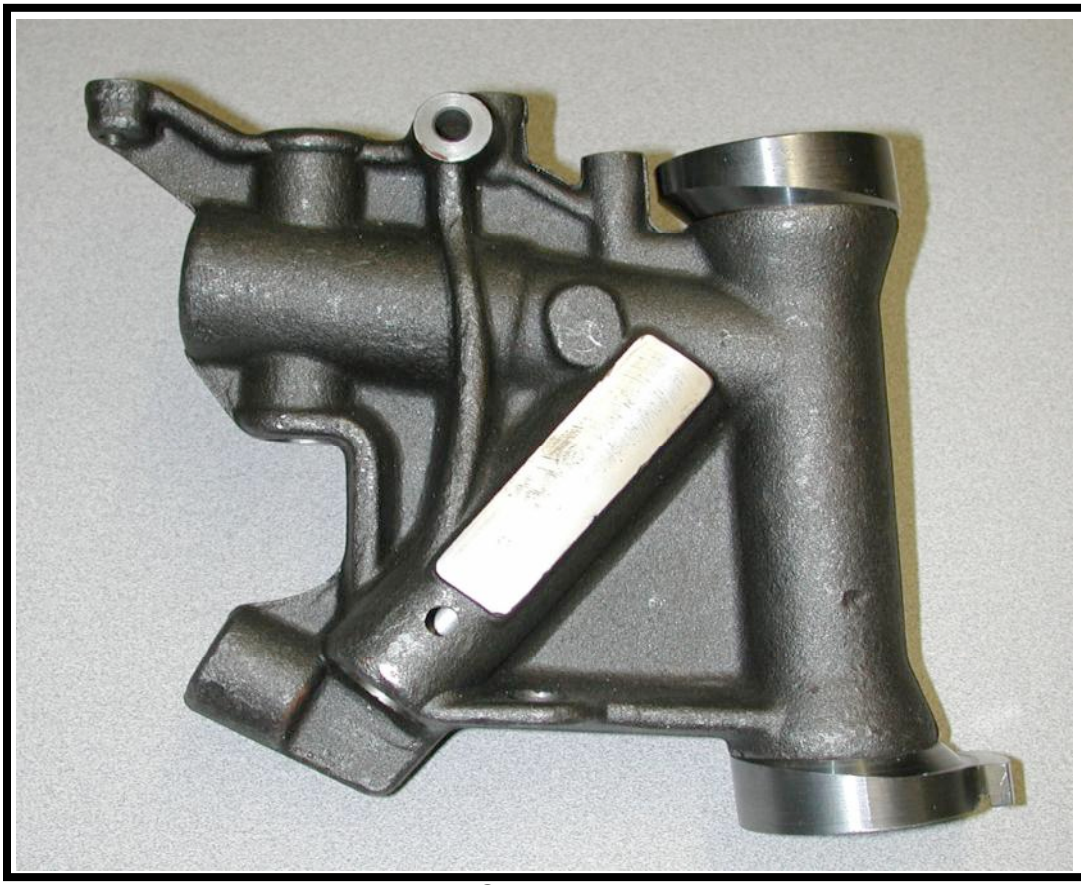
#3910 **Frame Neck**



Cast Steel Frame Neck

Completely Machined
Fits Softail & 4-Speed Big Twin Frames

#3911 **Cast Steel Frame Neck**



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Billet Aluminum Fork Boots

Chrome Plated

With O-Rings

#3445 Fits 35mm Forks

#3446 Fits 39mm Forks

#3447 Fits 41mm FXWG & FXST Forks

Billet Aluminum Fork Boots

Chrome Plated & Knurled

#3807 Fits 41mm FXWG & FXST Forks

Billet Aluminum Fork Boots

Chrome Plated

Outside diameter is machined oval to match oval slider.

#3448 Fits 41mm FLT-FLH Forks

39mm Mid-Glide Conversion

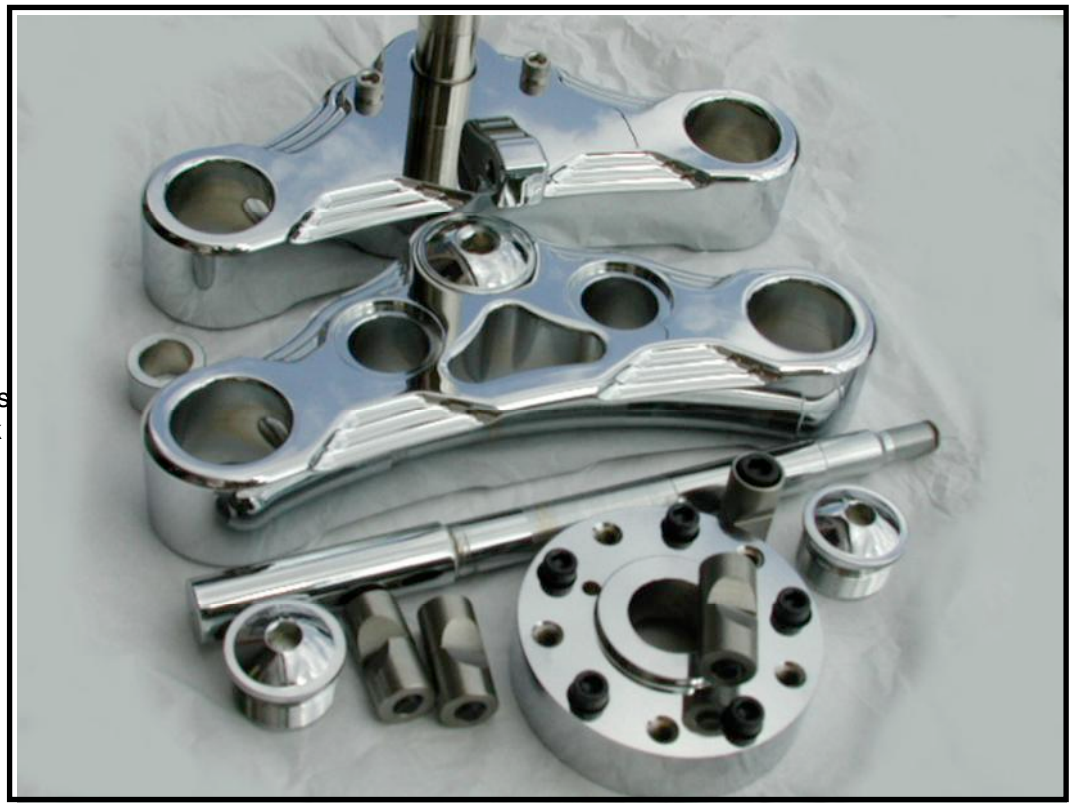
1-1/4" thick, Tri Groove Style, with axle, disc spacer, speedo drive spacer, cam-locs, stem, headlight bracket & fork stop.

#3152 1987-1999 FX-XL-FXD

39mm Mid-Glide Conversion

2" Thick Stepped Style, with flush caps, axle, disc spacer, speedo drive spacer, cam-locs stem, headlight bracket & fork stop.

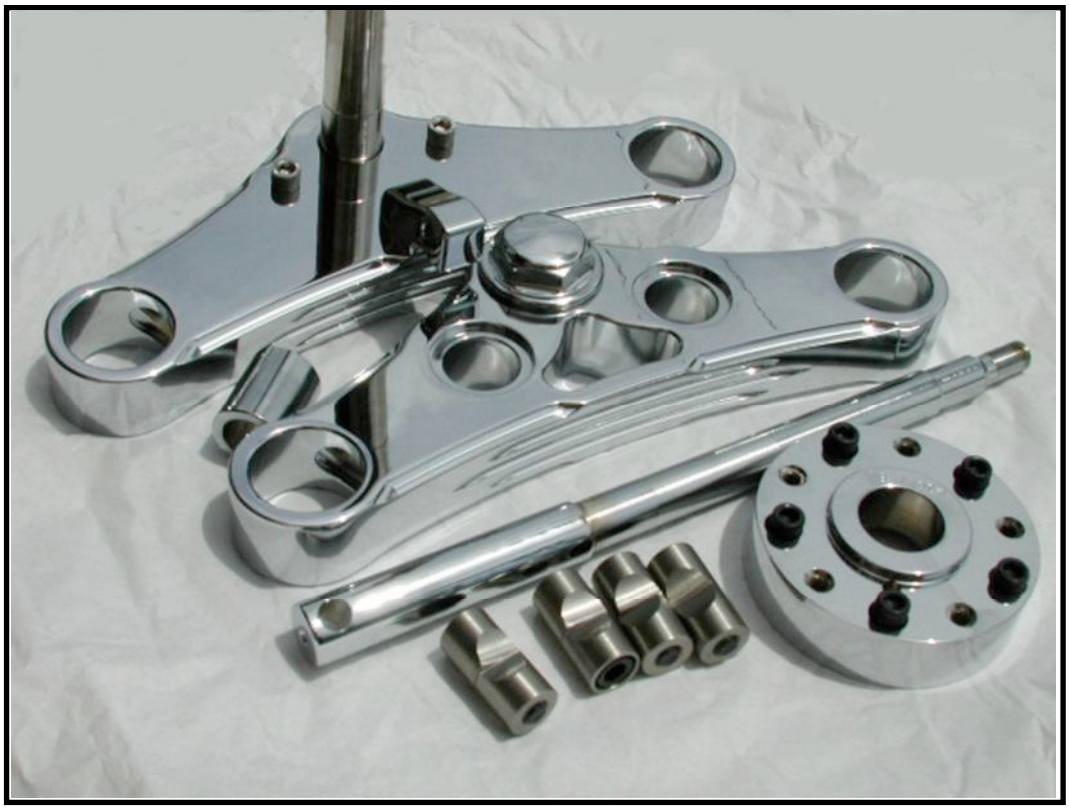
#3740 1987-1999 FX-XL-FXD



39mm Wide-Glide Conversion

1-1/4" thick, Tri Groove Style, with axle, disc spacer, speedo drive spacer, cam-locs, stem, headlight bracket & fork stop.

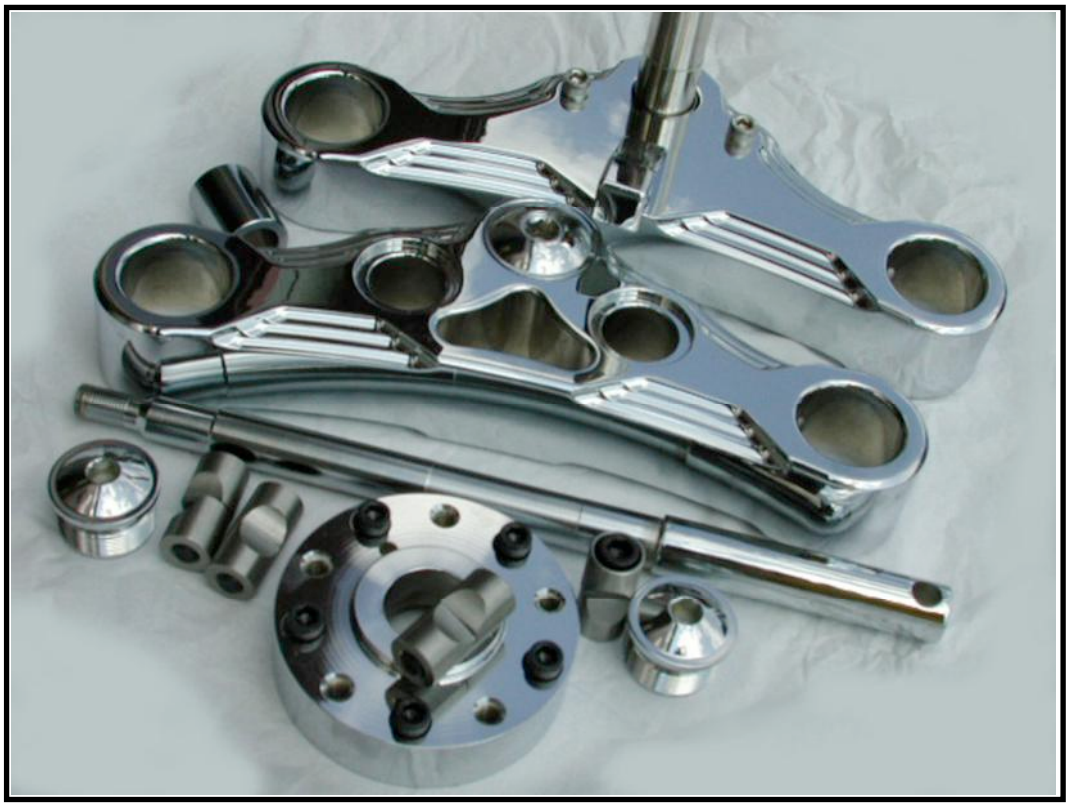
#3151 1987-1999
FX-XL-FXD



39mm Wide-Glide Conversion

2" Thick Stepped Style, with flush caps, axle, disc spacer, speedo drive spacer, cam-locs stem, headlight bracket & fork stop.

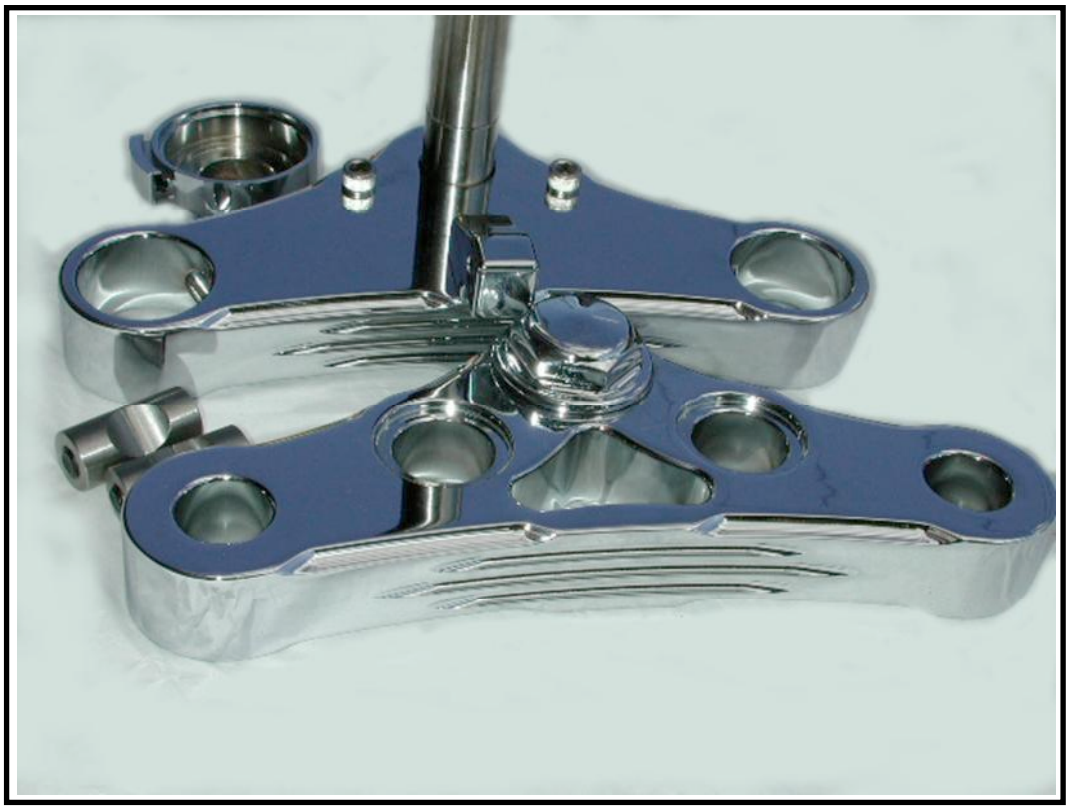
#3741 1987-1999
FX-XL-FXD



41mm Mid-Glide Conversion

1-1/4" thick, Tri Groove Style, with axle, cam-locs, fork stem crown nut & lower fork cup with fork stop.

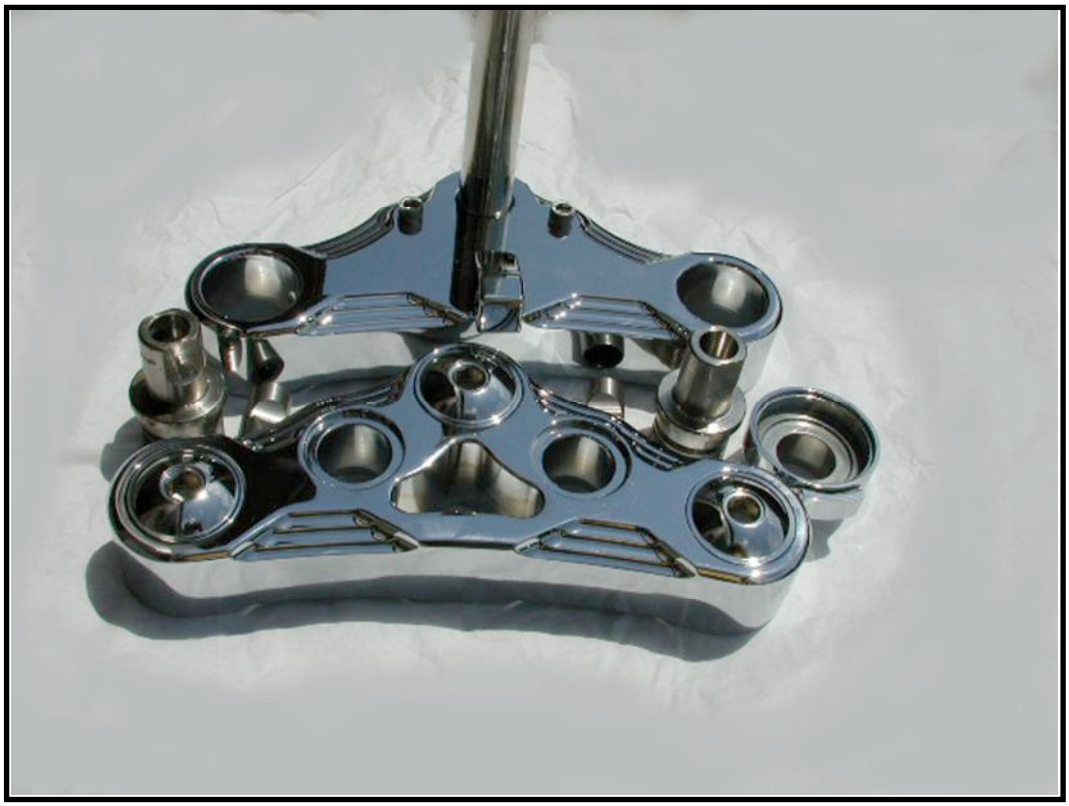
#3217 1948-Up B/T's



41mm Mid-Glide Conversion

2" Thick Stepped Style, with flush caps, cam-locs, stem, headlight bracket & fork stop style fork cup, & inner fork tube plugs.

#3742 1948-Up B/T's



Vulcan ENGINEERING COMPANY
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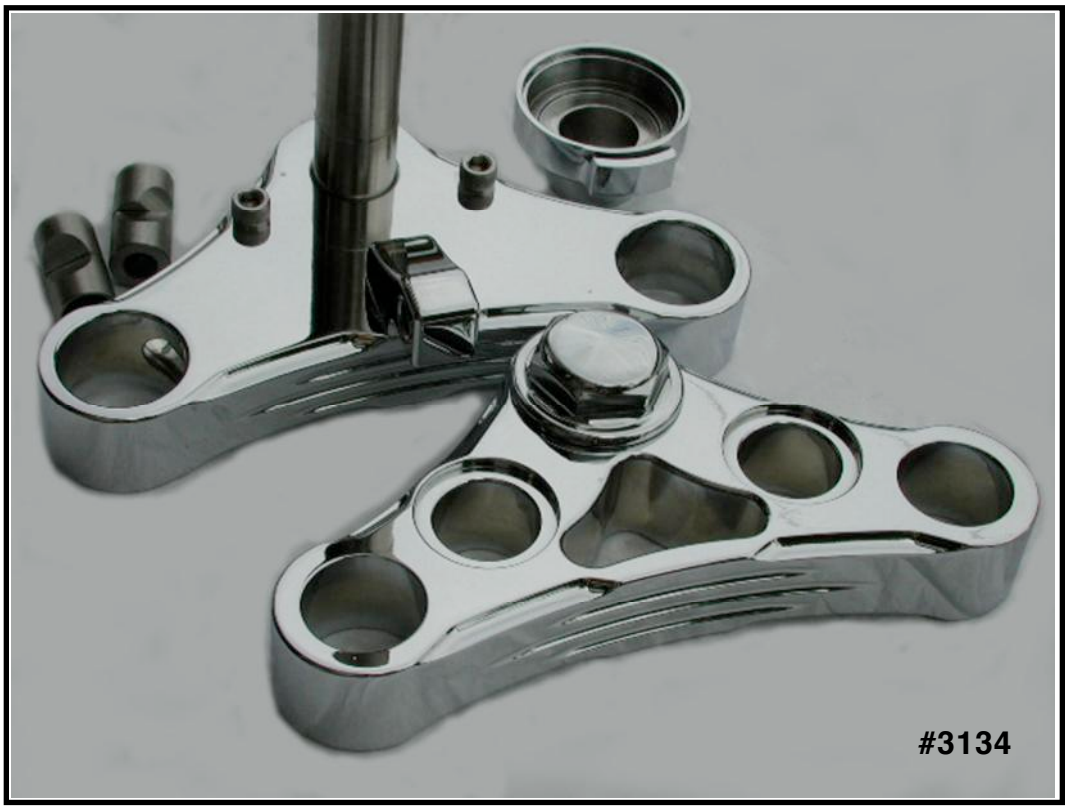
35mm Stock Spacing

1-1/4" thick, Tri Groove Style

With cam-locs, fork stem, crown nut & lower fork cup with fork stop.

#3134 1974-1987 FX
1982-1987 XL

#3153 1973-1981 XL
With Timken Brg. Conversion Kit.



35mm Mid-Glide Conversion Kit

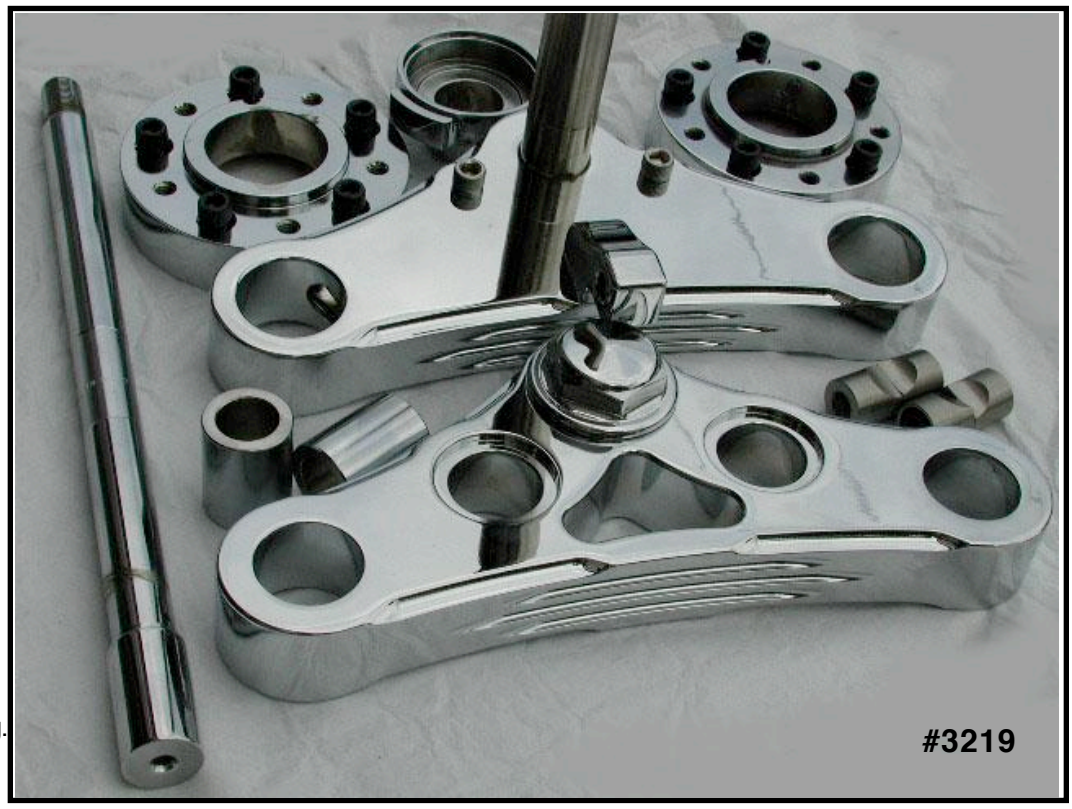
1-1/4" thick, Tri Groove Style

With cam-locs, fork stem, crown nut & lower fork cup with fork stop, axle, disc spacers & axle spacers.

#3213 1984-1987 FX
1982-1987 XL

#3219 1977-1983 FX
With Dual Disc

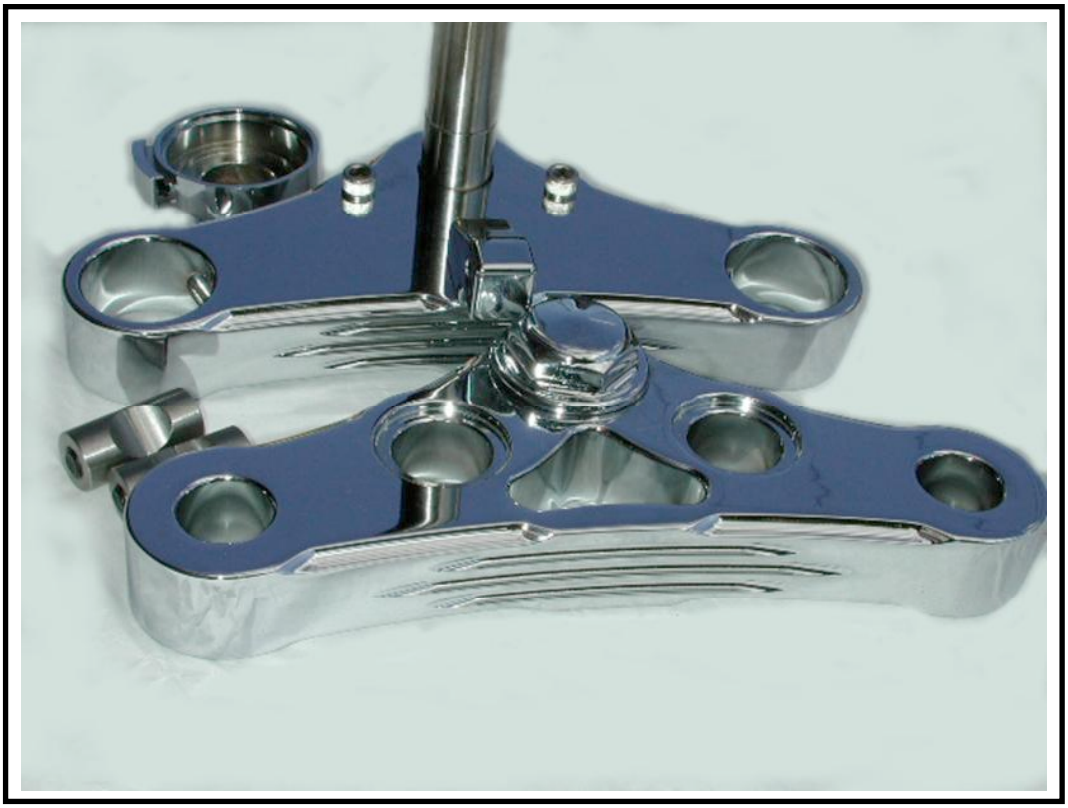
#3215 1977-1983 XL
With Timken Brg. Conversion Kit
Dual Disc.



41mm Wide-Glide

1-1/4" thick, Tri Groove Style, with , cam-locs, stem, headlight bracket & lower fork cup with built-in fork stop.

#3133 1948-Up B/T's



41mm Wide-Glide

2" Thick Stepped Style, with flush caps, cam-locs stem, headlight bracket & lower fork cup with built-in fork stop, & inner fork tube plugs.

#3668 1948-Up B/T's

Fork Stop Kit

Billet Aluminum-Chrome Plated

Use with billet aluminum trees, on 1990-up Softails that have cast in fork cups. Can be used on all of our triple tree sets.

#3354 Softail Fork Stop

Fork Cup Set With Built-In Fork Stop

Made from 4140 and Chrome Plated

Lower fork cup has a lug that replicates the cast lug on OEM Dyna & FXR frames. This will work with most billet triple tree sets. These will not break as most internal stops do.

#3572 All Big Twins

#3806 52-77 Sportsters
With Timken Bearing Conversion

Fork Cup Set

Upper & lower fork cup set, with timken bearings & races, chrome plated.

#3136 All Big Twins

#3452 52-77 XL, W/ Timken Brg. Conv.

#3417 78-81 XL

Vulcan ENGINEERING COMPANY
MANCHESTER • NEW HAMPSHIRE

Front Axle Assembly

For Vulcan Billet Aluminum Front Ends

Includes hidden style axle, axle spacer and axle adjusting bolt

#3666 41mm Forks

#3619 50mm Forks

Hard Chrome Plated

Lower Leg Axle Cap

For Vulcan Billet Aluminum Front Ends

#3651 For 41mm & 50mm Fork Assemblies.

Chrome Plated

Cam-Loc's

Stainless Steel

Application

#3670 41mm Triple Trees

#3654 50mm Triple Trees

#3853 39mm Triple Trees

#3854 35mm Triple Trees

#3675 41mm & 50mm Axle Cam-Loc's

Dampering Rod Assembly

Billet Aluminum

#3646 50mm Forks

#3855 41MM Forks

50mm Fork Parts

#3644 Upper Lower Leg Bushing

#3705 Fork Seal Back-Up Washer

#3618 Fork Seal

#3645 Lower Fork Tube Bushing

50mm Fork Tube Extensions

Stainless Steel

An easy way to lengthen 50mm forks

#3845 2” Longer

#3846 3” Longer

#3847 7-3/8” Longer

Vulcan ENGINEERING COMPANY
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Billet Front End Parts

Fork Tube Plug Set

Flush Style For All Our 2” Thick Tree Sets

Chrome plated

#3687 Fits 2” Thick, 39, 41, & 50mm Tree Sets

Crown Nuts

Chrome Plated

#3649 Fits all our 2” Thick Tree Sets

#3857 Fits all our std. thickness tree sets

Triple Tree Parts

Fits all of our tree sets.

#3665 Fork stem, fits all of our 2” thick tree sets

#3858 Fork stem, fits all our B/T std. thickness tree sets.

#3859 Fork stem, fits pre 1984 XL tree sets.

#3860 Headlight bracket

Billet Front End Parts

Billet Fork Boot

Threaded for our front ends

Chrome plated, with O-Rings

#3643 41mm Smooth

#3635 41mm Knurled

#3639 50mm Smooth

#3856 50mm Knurled

Caliper Bracket

Billet Alum. ,Chrome Plated

#3628 41mm, Left Side

#3629 41mm , Right Side

#3636 50mm, Left Side

#3636DD 50mm, Right Side

Fender Bracket

Billet Aluminum, Chrome Plated

#3630 41mm, Fender Bracket

#3638 50mm, Fender Bracket

Vulcan ENGINEERING COMPANY
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Rocker Arm Shaft Bushings (8)

Mat'l. Phospher Bronze

Replaces 17428-57

#3171 57-Up XL & B/T

Wrist Pin Bushings (pair)

Mat'l. Phospher Bronze

#3172 1957-Up XL
Rpls. 24331-36

#3173 .010 O/S, 57-Up XL
Rpls. 24332-36

#3174 36-99 B/T
Rpls, 24334-36

#3175 .010 O/S, 36-99 B/T
Rpls. 24335-36

Oil Pump Bushings

Mat'l. Phospher Bronze

#3176 36-99 B/T
Rpls. 24641-36

#3193 Oil Pump Cover, 77-Up XL
Rpls. 26431-76

#3194 Oil Pump Body,77-Up XL
Rpls. 26489-76

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Gear Cover, Pinion Shaft Bushings

Mat'l. Phosphor Bronze

#3186 57-76 XL
Rpls. 25593-57

#3187 1977-Up XL
Rpls. 25593-74

Inner Cam Gear Bushings

Mat'l. Phosphor Bronze

#3188 1936-1957 B/T
Rpls. 25597-36

#3191 1991-Up XL
Rpls.

Idler Gear Bushings (pr.)

Mat'l. Phosphor Bronze

#3189 1957-1984 XL
Rpls. 25597-36

#3192 1936-1969 B/T
Rpls. 25785-30

Vulcan
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Starter Ratchet Gear Bushings

Mat'l. Phosphor Bronze

#3199 1957-1972 XL
Rpls. 33442-57

#3200 1973-1979 XL
Rpis. 33442-73

Kick Starter Bushings

Mat'l. Phosphor Bronze

#3196 1954-1979 XL, Starter Shaft
Rpls. 33099-52A

#3197 1941-1984 B/T, Starter Shaft
Rpls. 33288-37

#3198 1950-1984 B/T, M/S Starter Gear
Rpls, 33438-50

Transmission Main Shaft Bushing

#3381 1965-1984 B/T
Rpls. 35094-65

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Outer Camshaft Bushings

Mat'l. Phosphor Bronze

#3177 36-69 B/T
Rpls. 25581-36

#3178 1970-Up B/T
Rpls. 25581-70

Gear Cover Pinion Shaft

Mat'l. Phosphor Bronze

#3179 41-53 B/T
Rpls. 25582-36

#3180 54-72 B/T
Rpls,25582-54

#3181 73-92 B/T
Rpls. 25582-73

#3182 1993-Up B/T
Rpls. 25582-93

Cam Cover Cam Gear Bushings

Mat'l. Phosphor Bronze

#3183 #1,3&5 Cam, 57-Up XL
Rpls. 25586-37

#3184 #2 Cam Gear
Rpls. 25588-57

#3185 # 2 Cam Gear
Rpls. 25588-99